

# AASP African American Studies Summer 2017

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## AASP100 Introduction to African American Studies

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP

*Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.*

0201	Jason Nichols	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
TuWTh 10:00am - 12:15pm		LEF 1201
WB11	Jason Nichols	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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## AASP101 Public Policy and the Black Community

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Formerly: AASP300.*

*The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.*

0101	Jonathan England	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
TuWTh 12:30pm - 2:50pm		TYD 2110

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## AASP200 African Civilization

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.*

0101	George Kintiba	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuWTh 10:00am - 12:20pm	EDU 1107

## AASP202

### Black Culture in the United States

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH, D      General Education: DSHS, DVUP

*The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.*

WB11	Robert Choflet	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
WB21	Robert Choflet	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## AASP398P

### Selected Topics in the African Diaspora; Peoples and Culture of Africa

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Analysis of the historical experiences and cultures of Africans in the diaspora.*

**Contact department for information to register for this course.**

## AASP468V

### Special Topics in Africa and the Americas; Introduction to Social Inequality in South Africa

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Cultural, historical and artistic dimensions of the African experience in Africa and the Americas.*

This course will expose students to many dimensions of social inequality and the consequences for well-being in post-Apartheid South Africa.

WB11	Vusimusi Dlamini	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

**AASP468Y Special Topics in Africa and the Americas; Exploring Contemporary South Africa**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Cultural, historical and artistic dimensions of the African experience in Africa and the Americas.*

**Contact department for information to register for this course.**

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**AASP468Z Special Topics in Africa and the Americas; Understanding Social Inequalities in Post-Apartheid South Africa**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Cultural, historical and artistic dimensions of the African experience in Africa and the Americas.*

**Contact department for information to register for this course.**

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**AASP498E Special Topics in Black Culture; A Critical Understanding of Hip Hop Culture and its Impact on Society**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.*

This courses delves into the history of Hip Hop culture and critically analyzes its impact on society.

WB11	Solomon Comissioning	Seats (Total: 35)
<b>Meets May 30, 2017 - July 9, 2017</b>		
	Class time/details on ELMs	ONLINE

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**AASP498I Special Topics in Black Culture; Women and the Civil Rights Movement**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.*

Also offered as HIST360 and WMST498M. Credit granted for HIST360, AASP498I, and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
<b>Meets June 19, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE

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**AASP498M      Special Topics in Black Culture; Black Masculinity in Mass Media: How Blackness has formed (and Re-formed) in U.S. Entertainment Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.*

WB11	Shane Walsh	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
<i>The goal of this class is to present to new students how entertainment and media product creation throughout the 19th and 20th centuries have directly shaped the forms of leisure activity that they enjoy today. The depictions of Blackness and masculinity in movies and television are in key focus for this course.</i>		

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**AASP498R      Special Topics in Black Culture; Race and Sports**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.*

A web-based class which uses print media and film to investigate the relationship between two issues that play a large role in American society--race and sports. All lectures, readings and assignments will be available via Blackboard. If there are questions, please contact the instructor at [jenglan1@umd.edu](mailto:jenglan1@umd.edu).

WB21	Jonathan England	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**AASP498Z      Special Topics in Black Culture; Black Women in Popular Culture: From the Blues to Beyonce'**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.*

Students will develop a broad understand of African American women in popular culture through the study of a variety of cultural forms such as literary texts, films, documentaries, visual art and novels. Students will develop an understanding of the connections between African American women's cultural forms and the historical contexts out of which these cultural traditions arose.

WB21	Renina Jarmon	Seats (Total: 35)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

## AASP499F **Advanced Topics in Public Policy and the Black Community; Black Politics and Policy: A Multimedia Approach**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.*

This is an online course that uses media (films like 12 Years a Slave, Boyz N the Hood and Do the Right Thing and documentaries) and primary documents to investigate African-American politics in the post-Civil Rights Era and policy issues such as education, the prison industrial complex and welfare. Please contact the instructor at [jenglan1@umd.edu](mailto:jenglan1@umd.edu) for more information.

WB41	Jonathan England	Seats (Total: 50)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE

## AMSC **Applied Mathematics & Scientific Computation** Summer 2017

### AMSC498A **Selected Topics in Applied Mathematics**

(Perm req)      Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Topics in applied mathematics of special interest to advanced undergraduate students.*

**Contact department for information to register for this course.**

### AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

(Perm req)      Credits: 1-3      Grading Method: Regular,  
Audit

*The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.*

**Contact department for information to register for this course.**

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**AMSC698A      Advanced Topics in Applied Mathematics**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**AMSC760      Applied Statistics Practicum**

Credits: 3

Grading Method: Regular

*Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator.*

*A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.*

0201

Instructor: TBA

Seats (Total: 20)

**Meets July 10, 2017 - August 18, 2017**

Contact instructor or department for details.

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**AMSC799      Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**AMSC898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**AMSC899      Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

**AMST101****Introduction American Studies**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO, D      General Education: DSHU, DVUP

*Credit only granted for: AMST101 or AMST201. Formerly: AMST201.*

*Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.*

0201	A Anthony <b>Meets July 10, 2017 - August 18, 2017</b> TuWTh 9:00am - 11:15am	Seats (Total: 16)  ASY 3211
WB11	Jung Kim <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE
WB12	Shoji Sanders <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE

**AMST203****Popular Culture in America**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU, DVUP

*An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.*

WB11	Robert Jiles <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 20)  ONLINE
WB12	Tanesha Leathers <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 20)  ONLINE
WB21	Kelsey Michael <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE





*Restriction: Permission of ARHU-American Studies department; and junior standing or higher.*

I201	Mary Sies	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**AMST450 Seminar in American Studies**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: CS      General Education: DSSP

*Prerequisite: AMST201 and AMST340; and 1 course in AMST. Restriction: Senior standing; and must be in American Studies program.*

*Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.*

HY11	Mary Sies	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
M 11:00am - 12:15pm		TWS 0134
Class time/details on ELMs		ONLINE      Discussion

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**AMST498T Special Topics in American Studies; Sex on the Streets: Homelessness, Deviance and the MAKing of America's Underbelly**

Credits: 3      Grading Method: Regular

*Topics of special interest.*

WB11	Terrance Wooten	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**AMST498V Special Topics in American Studies; Gender Performance in the Everyday: Power, Space, and Identity**

Credits: 3      Grading Method: Regular

*Topics of special interest.*

Gender Performance and the Everyday: Power, Space, and Identity" Uses film, novels, and theory to look at the everyday beliefs and assumptions regarding the "inherent nature" of identity formations such as gender, race, and sexuality and how socially constructed differences are performed, produced and reproduced in society.

WB21	Melissa Benitez	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**AMST798 Non-Thesis Research**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**AMST899 Doctoral Dissertation Research**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**ANSC Animal Science**

**Summer 2017**

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**ANSC389 Experiential Learning**

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

0201	Sarah Balcom	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**ANSC399 Special Problems in Animal Science**

(Perm req)

Credits: 1-2      Grading Method: Regular,  
Pass-Fail, Audit

*Work assignments are designed to be proportional to the amount of credit. Students are expected to develop an abstract, fact sheet, manuscript, oral presentation, poster, webpage, journal-log, or other scholarly product associated with their study and/or project.*

**Contact department for information to register for this course.**

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**ANSC660 Poultry Literature**

Credits: 1-4      Grading Method: Regular,  
Audit

*Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.*

**Contact department for information to register for this course.**

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**ANSC699 Special Problems in Animal Science**

(Perm req)

Credits: 1-2

Grading Method: Regular,  
Audit

*Work assigned in proportion to amount of credit. Prerequisite: approval of staff. Problems will be assigned which relate specifically to the character of work the student is pursuing.*

**Contact department for information to register for this course.**

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**ANSC799 Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

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**ANSC898 Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-  
Fail**Contact department for information to register for this course.**

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**ANSC899 Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**ANTH Anthropology****Summer 2017**

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**ANTH221 Introduction to Forensic Sciences**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit, Sat-Fail

General Education: DSSP

*Credit only granted for: ANTH298A or ANTH221. Formerly: ANTH298A.*

*Provides a brief history of forensic sciences, an introduction to some of the techniques used, and a demonstration of some of the applications of forensic sciences. A survey course designed to give the student some exposure to the kinds of scientific knowledge and techniques applied to the medico-legal investigation of death and other crimes.*

YS41

Trisha Biers

Seats (Total: 21)

**Meets July 10, 2017 - July 28, 2017**

MTuWThF 9:00am - 12:00pm

WDS 1114

*This section is part of Terp Young Scholars. Enrollment by permission only.*

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**ANTH222 Introduction to Ecological and Evolutionary Anthropology**

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: LL      General Education: DSNL, DVUP

*Credit only granted for: ANTH220 or ANTH222.*

*An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.*

0101	Michelle Raxter	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 9:00am - 12:45pm	WDS 1114
	MW 9:00am - 11:30am	WDS 0124C      Lab
HY41	Miguel Vilar	Seats (Total: 20)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MWF 9:00am - 12:15pm	TYD 0111
	TuTh 1:00pm - 6:00pm	WDS 0124C      Lab
	Class time/details on ELMs	ONLINE      Discussion

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**ANTH238B      Special Topics Study Abroad II; Lived Existence: Perspective in Native American Identity**

Credits: 6      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ANTH240      Introduction to Archaeology**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP

*Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.*

WB21	Joshua Samuels	Seats (Total: 30)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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**ANTH260      Introduction to Sociocultural Anthropology and Linguistics**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP

*Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.*

HY11	Irene Calis <b>Meets May 30, 2017 - July 7, 2017</b> MW 10:00am - 12:00pm Class time/details on ELMs	Seats (Total: 25)  WDS 1130 ONLINE
WB41	Stanley Herman <b>Meets July 10, 2017 - July 31, 2017</b> Class time/details on ELMs	Seats (Total: 25)  ONLINE

## ANTH263

### Sexuality and Culture

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, DVUP

*Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K.*

*An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.*

WB11	Charneka Lane <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 25)  ONLINE
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## ANTH266

### Changing Climate, Changing Cultures

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DVCC, SCIS

*Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.*

HY11	Stanley Herman <b>Meets May 30, 2017 - July 7, 2017</b> TuTh 10:00am - 12:00pm Class time/details on ELMs	Seats (Total: 25)  WDS 1130 ONLINE
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HY61	Stanley Herman	Seats (Total: 25)
	<b>Meets July 31, 2017 - August 19, 2017</b>	
	MTuWTh 10:00am - 12:00pm	WDS 1130
	Class time/details on ELMs	ONLINE

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**ANTH358A Undergraduate Teaching Assistant**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Individual instruction course: contact department or instructor to obtain section and index numbers.*

**Contact department for information to register for this course.**

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**ANTH386 Experiential Learning**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail

*Recommended: Completion of advanced courses in relevant subfield of anthropology recommended.*

*Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.*

Approval of instructor required; check with Department for section (and index) number.

**Contact department for information to register for this course.**

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**ANTH398A Independent Study**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

Approval of Instructor required; check with Department for section (and index) number.

**Contact department for information to register for this course.**

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**ANTH398J Independent Study; Archaeology Practicum**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent interdisciplinary research and reading in specific areas of anthropology.*

**Contact department for information to register for this course.**

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**ANTH432 Archaeological Interpretation**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An analysis and public interpretation of archaeological materials. Using artifacts, notes, and records from excavations in combination with other historical data like census records, students will piece together portions of the historical narrative. Students also engage members of local and descendant communities in the interpretation of the past, exploring multiple ways of sharing archaeological information and connecting historical archaeology with the present.*

Course will be held in Easton, MD. Contact instructor regarding transportation.

XI51	Mark Leone	Seats (Total: 10)
	<b>Meets June 17, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 5:00pm	Location: TBA

## ANTH445 Laboratory Methods in Archaeology

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANTH496. Recommended: ANTH240.*

*The processing, curation, cataloging and analysis of data is an important part of any archaeology field project. Students will learn the basics of laboratory techniques necessary for the final analysis and interpretation of field data.*

0401	Mark Leone	Seats (Total: 20)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:00am - 5:00pm	WDS 1124      Lab
	<i>This lab section will work with finds from the Annapolis field school led by Leone, Deeley, Pruitt and Skolnik.</i>	
0403	Paul Shackel	Seats (Total: 20)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:00am - 5:00pm	WDS 1125      Lab
	<i>This lab section will work with finds from the Lattimer Field School led by Shackel.</i>	

## ANTH468P Special Topics in Cultural Anthropology; Anthropology, War & Security

Credits: 3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.*

Also offered as ANTH468P. Credit offered for ANTH468P or ANTH688P.

WB11	Katherine Izsak	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**ANTH473 Native American Languages and Cultures**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to Native American Languages and Cultures from a linguistic anthropological perspective. Topics to be explored include Native American identities, the structure of Native languages, oral traditions, narrative story-telling, Native language and thought (Sapir/Whorf), language shift, linguistic revitalization, documentation of endangered languages, indigenous representation and appropriation, and racializing discourses.*

Also offered as ANTH673. Credit granted for ANTH473 or ANTH673.

WB31	Jacqueline Messing	Seats (Total: 25)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE

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**ANTH476 Senior Research**

Credits: 3-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.*

*Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.*

**Contact department for information to register for this course.**

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**ANTH477 Senior Thesis**

Credits: 3-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.*

*Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.*

**Contact department for information to register for this course.**

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**ANTH486****Honors Research**

Credits: 3-4      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.*

*Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.*

**Contact department for information to register for this course.**

**ANTH487****Honors Thesis**

Credits: 3-4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.*

*Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.*

**Contact department for information to register for this course.**

**ANTH496****Field Methods in Archaeology**

Credits: 6      Grading Method: Regular,      General Education: DSSP,  
Pass-Fail, Audit      DVUP

*Field training in the techniques of archaeological survey and excavation.*

Also offered as ANTH696 and SUMM015.

XI11	Mark Leone	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
XI12	Donald Linebaugh, Paul Shackel	Seats (Total: 6)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA

**ANTH498C****Advanced Field Training in Ethnography; Brazil: Environmental Conservation & Indigenous Peoples**

Credits: 3-6                      Grading Method: Regular,                      General Education: DSSP,  
Pass-Fail, Audit                      DVCC

*Experience in field research utilizing a variety of ethnographic method of inquiry.*

**Contact department for information to register for this course.**

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**ANTH498J      Advanced Field Training in Ethnography; Jamaica: Ethnographic Fieldwork/Ethnographic Assessment and Expressive Culture**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Experience in field research utilizing a variety of ethnographic method of inquiry.*

**Contact department for information to register for this course.**

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**ANTH498M      Advanced Field Training in Ethnography; Suriname: Ethnographic Fieldwork-National Celebration, Integration and Identity**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Experience in field research utilizing a variety of ethnographic method of inquiry.*

**Contact department for information to register for this course.**

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**ANTH498W      Advanced Field Training in Ethnography; Jamaica: Connections, Celebration and Identity**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Experience in field research utilizing a variety of ethnographic method of inquiry.*

**Contact department for information to register for this course.**

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**ANTH498Y      Advanced Field Training in Ethnography; Field Methods in Public Archaeology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Experience in field research utilizing a variety of ethnographic method of inquiry.*

XI31	Mark Leone	Seats (Total: 5)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
	<i>Excavations will be Annapolis and Maryland's Eastern Shore. Contact instructor regarding transportation.</i>	

XI33	Paul Shackel	Seats (Total: 15)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
	<i>Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.</i>	
XI51	Mark Leone	Seats (Total: 5)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
	<i>Excavations will be Annapolis and Maryland's Eastern Shore. Contact instructor regarding transportation.</i>	
XI53	Paul Shackel	Seats (Total: 5)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
	<i>Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.</i>	

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## ANTH673 Native American Languages and Cultures

Credits: 3      Grading Method: Regular,  
Audit, Sat-Fail

*An introduction to Native American Languages and Cultures from a linguistic anthropological perspective. Topics to be explored include Native American identities, the structure of Native languages, oral traditions, narrative story-telling, Native language and thought (Sapir/Whorf), language shift, linguistic revitalization, documentation of endangered languages, indigenous representation and appropriation, and racializing discourses.*

Also offered as ANTH473. Credit granted for ANTH473 or ANTH673.

WB31	Jacqueline Messing	Seats (Total: 25)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE

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## ANTH688A Current Developments in Anthropology

Credits: 3      Grading Method: Regular,  
Audit

*Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.*

**Contact department for information to register for this course.**

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**ANTH688P      Current Developments in Anthropology; Anthropology, War & Security**

Credits: 3                      Grading Method: Regular,  
   Audit

*Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.*

Also offered as ANTH468P. Credit offered for ANTH468P or ANTH688P.

WB11	Katherine Izsak	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**ANTH688Y      Current Developments in Anthropology; Field Methods in Public Archaeology**

Credits: 3                      Grading Method: Regular,  
   Audit

*Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.*

Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.

XI31	Mark Leone	Seats (Total: 5)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
XI33	Paul Shackel	Seats (Total: 15)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
XI51	Mark Leone	Seats (Total: 5)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
XI53	Paul Shackel	Seats (Total: 5)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA

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**ANTH689A      Special Problems in Anthropology**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Approval of instructor required; check with Department for section (and index) number.

**Contact department for information to register for this course.**

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**ANTH689M**

**Special Problems in Anthropology; Suriname: Ethnographic Fieldwork-National Celebration, Integration and Identity**

Credits: 3

Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ANTH696**

**Field Methods in Archaeology**

Credits: 6

Grading Method: Regular, Audit

*Formerly: ANTH699.*

*Field training in the techniques of archaeological survey and excavation.*

Also offered as ANTH496 and SUMM015.

XI11	Mark Leone	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
XI12	Donald Linebaugh, Paul Shackel	Seats (Total: 6)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA

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**ANTH698C**

**Advanced Field Training in Ethnology; Brazil: Ethnographic Fieldwork**

Credits: 3-6

Grading Method: Regular, Audit

*Experience in field research utilizing a variety of ethnographic methods of inquiry.*

**Contact department for information to register for this course.**

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**ANTH698J**

**Advanced Field Training in Ethnology; Jamaica: Ethnographic Fieldwork/Ethnographic Assessment and Expressive Culture**

Credits: 6

Grading Method: Regular, Audit

*Experience in field research utilizing a variety of ethnographic methods of inquiry.*

**Contact department for information to register for this course.**

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**ANTH698W      Advanced Field Training in Ethnology; Jamaica: Connections, Celebration and Identity**

Credits: 6                      Grading Method: Regular,  
   Audit

*Experience in field research utilizing a variety of ethnographic methods of inquiry.*

**Contact department for information to register for this course.**

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**ANTH701      Anthropology Internship Preparation**

Credits: 3                      Grading Method: Regular,  
   Audit

*Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.*

I112	Paul Shackel	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**ANTH712      Anthropology Internship Analysis**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ANTH789.*

*The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.*

**Contact department for information to register for this course.**

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**ANTH788      Internship Research**

Credits: 1-3                      Grading Method: Regular,  
   Audit

*This course augments ANTH 789 and is graded in conjunction with it.*

**Contact department for information to register for this course.**

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**ANTH789      Internship**

(Perm req)                      Credits: 3-6                      Grading Method: Regular,  
   Audit

*Individual instruction course supervised by a department faculty member.*

**Contact department for information to register for this course.**

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**ANTH898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ANTH899      Doctoral Dissertation Research**

Credits: 6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**AOSC      Atmospheric and Oceanic Science      Summer 2017**

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**AOSC458J      Advanced Topics in Atmospheric and Oceanic Science; Scientific Program: Python**

Credits: 3      Grading Method: Regular, Audit

*Special topics in atmospheric and oceanic science are given intensive study. The topic of concentration varies, from semester to semester and depends on student and faculty interests. Often, specialists from other institutions are invited to the campus on a visiting lectureship basis to conduct the course.*

A comprehensive introduction to scientific computation and visualization techniques with Python applied to data intensive questions in the Natural Sciences.

0101	Jeffrey Henrikson	Seats (Total: 26)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 11:10am - 12:30pm	CSS 3426

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**AOSC499      Special Problems in Atmospheric Science**

Credits: 1-3      Grading Method: Regular, Pass-Fail, Audit

*Research or special study in the field of meteorology and the atmospheric and oceanic sciences.*

0108	Rachel Pinker	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0206	Ning Zeng	Seats (Total: 1)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Rachel Pinker	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## AOSC798

### Directed Graduate Research

Credits: 1-3

Grading Method: Sat-Fail

0101	James Carton	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Raghu Murtugudde	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Raghu Murtugudde	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Antonio Busalacchi	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0126	Da-Lin Zhang	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0203	Raghu Murtugudde	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Raghu Murtugudde	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	



0205	Da-Lin Zhang	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0206	Kenneth Pickering	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0207	Zhanqing Li	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Dale Allen	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0221	Ernesto Berbery	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0225	Xin-Zhong Liang	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

#### AOSC898

#### Pre-Candidacy Research

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

#### AOSC899

#### Doctoral Dissertation Research

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

## ARAB

## Arabic

## Summer 2017

#### ARAB104

#### Elementary Modern Standard Arabic I-II

(Perm req)

Credits: 6      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.*

*An intensive course focusing on developing functional proficiency in the standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL11	Dina El-Hefnawy	Seats (Total: 15)
<b>Meets May 31, 2017 - June 30, 2017</b>		
MTuWThF 9:00am - 5:00pm		HJP 2114

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## **ARAB105 Elementary Modern Standard Arabic III-IV**

(Perm req)

Credits: 6

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARAB104; or must have appropriate Foreign Language Placement Test (FLPT) score.  
Restriction: Must not be a fluent/native speaker of Arabic.*

*Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL21	Lutf Alkebsi	Seats (Total: 15)
<b>Meets July 4, 2017 - August 5, 2017</b>		
MTuWThF 9:00am - 5:00pm		HJP 2114

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## **ARAB204 Intermediate Modern Standard Arabic I**

(Perm req)

Credits: 6

Grading Method: Regular,  
Pass-Fail, Audit

CORE: HO

*Prerequisite: ARAB105; and must have appropriate Foreign Language Placement Test (FLPT) score.  
Restriction: Must not be a fluent/native speaker of Arabic.*

*Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL11	Ahmed Hanafy	Seats (Total: 15)
	<b>Meets May 31, 2017 - June 30, 2017</b>	
	MTuWThF 9:00am - 5:00pm	HJP 2118

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## **ARAB205**

### **Intermediate Modern Standard Arabic II**

(Perm req)

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HO

*Prerequisite: ARAB204; or must have appropriate Foreign Language Placement Test (FLPT) score.  
Restriction: Must not be a fluent/native speaker of Arabic.*

*Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL21	Ahmed Hanafy	Seats (Total: 15)
	<b>Meets July 4, 2017 - August 5, 2017</b>	
	MTuWThF 9:00am - 5:00pm	HJP 2118

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## **ARAB315**

### **Intensive Advanced Arabic I**

(Perm req)

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARAB205; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed ARAB304.*

*Intensive training in written and spoken Arabic at the Advanced-low level of proficiency. Additional intensive training in effective listening and reading skills. Substantial cultural component exploring traditions and customs of the Middle East in addition to current social issues.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL11	Hebatalla Salem	Seats (Total: 15)
<b>Meets May 31, 2017 - June 30, 2017</b>		
	MTuWThF 9:00am - 5:00pm	HJP 3135

## ARAB316 Intensive Advanced Arabic II

(Perm req)

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARAB304 or ARAB315; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed ARAB305. Credit only granted for: ARAB305 or ARAB316.*

*Intensive training in written and spoken Arabic at the Advanced-mid level of proficiency. Additional training in effective listening and reading skills. Substantial cultural component exploring traditions and customs of the Middle East in addition to current social issues.*

Registration limited to students accepted into the Summer Language Institute.

*[Click here for more course information.](#)*

XL21	Hebatalla Salem	Seats (Total: 15)
<b>Meets July 4, 2017 - August 5, 2017</b>		
	MTuWThF 9:00am - 5:00pm	HJP 3135

## ARAB398E Special Topics in Arabic Studies; Egyptian Pop Culture

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*In-depth study of a particular aspect of Arabic culture, literature, and language. Specific topic to be announced when offered. Taught in Arabic.*

Taught in English. Online course. A study of the relationship between culture and ideology in Egypt, with particular focus on popular cultural discourses before and after the 2011 Revolution. A variety of genres are examined, including television, film, social media and cyber culture, music, popular literature, and consumer culture. Please note that this course is not affiliated with the Arabic Summer Institute.

WB11	Valerie Anishchenkova	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE

**ARCH150****Discovering Architecture**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: Permission of ARCH-Architecture Program.*

*Introduction to architecture and design studio education. The course examines fundamental design principles and skills related to architecture. The design studio projects apply ideas and concepts introduced in lectures, readings and on site visits. The design studio projects are both analytic and synthetic in nature. The explicit goals of the course are: To explore the discipline of architecture; To promote visual thinking and representational skills; To develop analytic design thinking skills; To learn some of the conventions of architectural representation; To enhance cultural awareness of architecture and design.*

Students learn about careers in architecture, landscape architecture and urban planning. Architecture faculty teach basic design principles that students use to complete their own design project in a design studio environment.

YS41	Michael Ambrose	Seats (Total: 32)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:30am - 4:30pm	ARC 0204
	<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>	

**ARCH200****Design Media and Representation I**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Restriction: Must be in a major in ARCH-Architecture Program.*

*Study of architectural representation in physical and digital design media. Examine visual literacy and visual communications through applied drawing, modeling and visual making to explore the role of design media and representation in design and design thinking.*

0101	Michael Abrams	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 11:00am - 12:00pm	ARC 1105
	TuTh 12:00pm - 2:40pm	ARC 1105                      Lab

**ARCH343****Intermediate Architectural Drawing**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: ARCH242; or permission of ARCH-Architecture Program.*

*Development of media technique (including color pencil, pastel, graphite, ink, and watercolor) as vehicles for investigating color, composition, and abstraction. Exploration of historical and contemporary issues of representation in architectural visual communication.*

HY21	Instructor: TBA	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Th 1:00pm - 4:30pm	ARC 1103
	Class time/details on ELMs	ONLINE

## ARCH386

### Experiential Learning

Credits: 3-6      Grading Method: Regular, Pass-Fail      General Education: DSSP

*Restriction: Must have learning proposal approved by faculty sponsor and student's internship sponsor; and sophomore standing or higher; and permission of ARCH-Architecture Program.*

*Learning experience tied to internship of specified duration with targeted learning outcomes.*

0101	Michael Brick	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Michael Brick	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## ARCH408

### Special Topics Architecture Design Studio

Credits: 6      Grading Method: Regular, Pass-Fail, Audit

*Design Studio course to examine topical problems in architecture and urban design.*

0101	Lindsey May	Seats (Total: 14)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 1:00pm - 6:00pm	Location: TBA

## ARCH428G

### Selected Topics in Architectural History; Greek and Roman Cities of Southern Turkey

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH428M      Selected Topics in Architectural History; The Architecture of Ancient Greece**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH428P      Selected Topics in Architectural History; Domestic Architecture in Pompeii**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH428Q      Selected Topics in Architectural History; Italy: Archaeological Investigations in the Vesuvian Region**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH428V      Selected Topics in Architectural History; In the Shadow of Vesuvius: Architectural Recording for Archaeology: Italy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH428Y      Selected Topics in Architectural History; Archaeological Investigations in Roman Turkey**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH478R      Selected Topics in Architecture; Architectural Drawings II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architecture*

**Contact department for information to register for this course.**

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**ARCH478V      Selected Topics in Architecture; Italy: Architecture, Urbanism and Landscape**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected Topics in Architecture*

**Contact department for information to register for this course.**

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**ARCH483      Field Archaeology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ARCH-Architecture Program.*

*Participation in field archaeology with an excavation officially recognized by proper authorities of local government.*

**Contact department for information to register for this course.**

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**ARCH608      Advance Special Topics Design Studio**

Credits: 6                      Grading Method: Regular,  
Pass-Fail, Audit

*Topical architectural design studio with concentration on advanced theoretical, conceptual, technological, cultural or professional issue.*

0101	Lindsey May	Seats (Total: 8)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 1:00pm - 6:00pm	Location: TBA

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**ARCH628G      Selected Topics in Architectural History; Greek and Roman Cities of Southern Turkey**

Credits: 3                      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architectural History*

**Contact department for information to register for this course.**

---

**ARCH628M      Selected Topics in Architectural History; The Architecture of Ancient Greece**

Credits: 3                      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architectural History*

**Contact department for information to register for this course.**



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**ARCH628P      Selected Topics in Architectural History; Domestic Architecture in Pompeii**

Credits: 3                      Grading Method: Regular,  
   Audit

*Graduate Selected Topics in Architectural History*

**Contact department for information to register for this course.**

---

**ARCH628Q      Selected Topics in Architectural History; Italy: Archaeological Investigations in the Vesuvian Region**

Credits: 1                      Grading Method: Regular,  
   Audit

*Graduate Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH628V      Selected Topics in Architectural History; In the Shadow of Vesuvius: Architectural Recording for Archaeology: Italy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Graduate Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH628Y      Selected Topics in Architectural History; Archaeological Investigations in Roman Turkey**

Credits: 3                      Grading Method: Regular,  
   Audit

*Graduate Selected Topics in Architectural History*

**Contact department for information to register for this course.**

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**ARCH671      BIM Technology and Processes in Architecture**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: ARCH403; and ARCH470. Or students who have taken courses with comparable content may contact the department. Credit only granted for: ARCH678I or ARCH670. Formerly: ARCH678I.*

*Building Information Modeling is examined in depth relative to Integrated Project Delivery methods as pertains to collaboration and communication in the design and construction of buildings and building systems. Practical and empirical learning using BIM software and case studies of real world projects and construction scenarios.*

0601	Kristen Ambrose	Seats (Total: 25)
	<b>Meets July 31, 2017 - August 18, 2017</b>	
	MTuWTh 6:30pm - 9:00pm	ARC 1115
	Sa 9:00am - 4:00pm	Location: TBA

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**ARCH678R      Advanced Selected Topics in Architecture; Drawing II: Architectural Representation**

Credits: 3      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architecture.*

**Contact department for information to register for this course.**

---

**ARCH678V      Advanced Selected Topics in Architecture; Italy: Architecture, Urbanism and Landscape**

Credits: 3      Grading Method: Regular,  
Audit

*Graduate Selected Topics in Architecture.*

**Contact department for information to register for this course.**

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**AREC      Agricultural and Resource Economics      Summer 2017**

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**AREC386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.*

0101	Robert Chambers	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0112	Howard Leathers	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0115	Lars Olson	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0119	Dale Johnson	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0123	James Hanson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0159	Neslihan Uler	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Robert Chambers	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0212	Howard Leathers	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0215	Lars Olson	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0223	James Hanson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0259	Neslihan Uler	Seats (Total: 0)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## AREC399

### Special Problems

Credits: 1-2      Grading Method: Regular,  
Pass-Fail, Audit

*Concentrated reading and study in some phase of a problem in agricultural and/or natural resource economics.*

0101	Robert Chambers	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0112	Howard Leathers	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0115	Lars Olson	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Robert Chambers	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0212	Howard Leathers	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0215	Lars Olson	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**AREC489Q**
**Special Topics in Agricultural and Resources Economics; Economics of Local Agriculture: Local Marketing Systems**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

0101	James Gottwals	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 5:00pm - 8:25pm		SYM 0209

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**AREC699**
**Special Problems in Agricultural and Resource Economics**

Credits: 1-2      Grading Method: Regular,  
Audit

*Intensive study and analysis of specific problems in the field of agricultural and resource economics, providing in-depth information in areas of special interest to the student.*

0101	Robert Chambers	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0102	Lori Lynch	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0111	Richard Just	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0112	Howard Leathers	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0113	Erik Lichtenberg	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0115	Lars Olson	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0120	Anna Alberini	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0122	Roberton Williams	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0123	James Hanson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0126	Kenneth Leonard	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0130	David Newburn	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0151	Pamela Jakiela	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0152	Sebastien Houde	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0154	Jorge Holzer Bilbao	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0156	Snaebjorn Gunnsteinsson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0157	Mary Zaki	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0158	Stephen Salant	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0159	Neslihan Uler	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0160	Jing Cai	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Robert Chambers	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0202	Lori Lynch	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0211	Richard Just	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0212	Howard Leathers	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0213	Erik Lichtenberg	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0215	Lars Olson	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0220	Anna Alberini	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0222	Roberton Williams	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0223	James Hanson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0226	Kenneth Leonard	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0230	David Newburn	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0251	Pamela Jakiela	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0252	Sebastien Houde	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0254	Jorge Holzer Bilbao	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0256	Snaebjorn Gunnsteinsson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0257	Mary Zaki	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0258	Stephen Salant	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0259	Neslihan Uler	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0260	Jing Cai	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## AREC799

### Master's Thesis Research

Credits: 1-6

Grading Method: Regular

0101	Robert Chambers	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0102	Lori Lynch	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	



0111	Richard Just	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0112	Howard Leathers	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0113	Erik Lichtenberg	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0115	Lars Olson	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0120	Anna Alberini	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0122	Roberton Williams	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0123	James Hanson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0126	Kenneth Leonard	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0130	David Newburn	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0151	Pamela Jakiela	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0152	Sebastien Houde	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0154	Jorge Holzer Bilbao	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0156	Snaebjorn Gunnsteinsson	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0159	Neslihan Uler	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0160	Jing Cai	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Robert Chambers	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0202	Lori Lynch	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0211	Richard Just	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0212	Howard Leathers	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0213	Erik Lichtenberg	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0215	Lars Olson	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0220	Anna Alberini	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0222	Roberton Williams	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0223	James Hanson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0226	Kenneth Leonard	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0230	David Newburn	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0251	Pamela Jakiela	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0252	Sebastien Houde	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0254	Jorge Holzer Bilbao	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0256	Snaebjorn Gunnsteinsson	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0259	Neslihan Uler	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0260	Jing Cai	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## AREC898

(Perm req)

## Pre-Candidacy Research

Credits: 1-8      Grading Method: Regular, Sat-Fail

0104	Robert Chambers	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Richard Just	Seats (Total: 1)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0112	Howard Leathers	Seats (Total: 1)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0130	David Newburn	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0135	Erik Lichtenberg	Seats (Total: 1)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0137	Anna Alberini	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0138	Kenneth Leonard	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0140	Lori Lynch	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0143	Lars Olson	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0145	Maureen Cropper	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0148	James Hanson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0150	Roberton Williams	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0151	Pamela Jakiela	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0152	Sebastien Houde	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0154	Jorge Holzer Bilbao	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0156	Snaebjorn Gunnsteinsson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0157	Mary Zaki	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0158	Stephen Salant	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0159	Neslihan Uler	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0160	Jing Cai	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0204	Robert Chambers	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Richard Just	Seats (Total: 1)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0212	Howard Leathers	Seats (Total: 1)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0230	David Newburn	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0235	Erik Lichtenberg	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0237	Anna Alberini	Seats (Total: 2)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0238	Kenneth Leonard	Seats (Total: 2)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0240	Lori Lynch	Seats (Total: 2)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0243	Lars Olson	Seats (Total: 2)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0245	Maureen Cropper	Seats (Total: 2)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0248	James Hanson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0250	Roberton Williams	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0251	Pamela Jakiela	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0252	Sebastien Houde	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0254	Jorge Holzer Bilbao	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0256	Snaebjorn Gunnsteinsson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0257	Mary Zaki	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0258	Stephen Salant	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0259	Neslihan Uler	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0260	Jing Cai	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**AREC899**
**Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

0101	Robert Chambers	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0102	Lori Lynch	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0111	Richard Just	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0112	Howard Leathers	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0113	Erik Lichtenberg	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0115	Lars Olson	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		



0120	Anna Alberini	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0122	Roberton Williams	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0123	James Hanson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0126	Kenneth Leonard	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0130	David Newburn	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0139	Maureen Cropper	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0140	Peter Cramton	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0151	Pamela Jakiela	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0152	Sebastien Houde	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0154	Jorge Holzer Bilbao	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0156	Snaebjorn Gunnsteinsson <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0157	Mary Zaki <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0158	Stephen Salant <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0159	Neslihan Uler <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 0)
0160	Robert Chambers <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0201	Robert Chambers <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0202	Lori Lynch <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0211	Richard Just <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0213	Erik Lichtenberg <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)

0215	Lars Olson	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0220	Anna Alberini	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0222	Roberton Williams	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0223	James Hanson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0226	Kenneth Leonard	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0230	David Newburn	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0239	Maureen Cropper	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0240	Peter Cramton	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0251	Pamela Jakiela	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0252	Sebastien Houde	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0254	Jorge Holzer Bilbao	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0256	Snaebjorn Gunnsteinsson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0257	Mary Zaki	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0258	Stephen Salant	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0259	Neslihan Uler	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0260	Robert Chambers	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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## ARHU      Arts and Humanities      Summer 2017

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### ARHU269V      Special Topics in Study Abroad II; Vienna and Budapest Field Study

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

### ARHU286      Experiential Learning

(Perm req)      Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.*

*Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.*

0101	Paula Nadler	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 20, 2017</b>	
	Contact instructor or department for details.	
I101	Paula Nadler	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 20, 2017</b>	
	Contact instructor or department for details.	
I102	Paula Nadler	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
I201	Paula Nadler	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## ARHU298J

### Special Problems in Arts and Humanities; Creative Writing Workshop

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

Students will read great poems and stories from across cultures and engage in related writing exercises. Students will share their own original writing in a supportive workshop setting, discover new approaches to revision.

YS41	Vivianne Salgado, Zein El-Amine	Seats (Total: 15)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:30am - 12:30pm	TWS 1105
	<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>	

## ARHU338

### Undergraduate Teaching Assistantship in a Living Learning Program

(Perm req)

Credits: 3      Grading Method: Regular

*Offers exceptional students the opportunity to work closely with a faculty member and gain valuable experience. ARHU Living learning program UTAs also serve as peer mentors and program leaders. They assist with course planning, research, and student advising (as appropriate). We are also allowing for variable credit (1-3 cr hrs).*

0201	Vivianne Salgado	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## ARHU386

### Experiential Learning

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

General Education: DSSP

*Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.*

0101	Paula Nadler	Seats (Total: 5)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Contact instructor or department for details.		
I101	Paula Nadler	Seats (Total: 20)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Contact instructor or department for details.		
I102	Paula Nadler	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Paula Nadler	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## ARHU486

### Internship Practicum in Arts and Humanities

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD.*

*An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.*

0101	Paula Nadler	Seats (Total: 5)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Contact instructor or department for details.		
I101	Paula Nadler	Seats (Total: 20)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Contact instructor or department for details.		
I102	Paula Nadler	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Paula Nadler	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## ARHU489

### Advanced Internship Practicum in ARHU

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Designed for students who have already completed at least 2 upper level internship courses for academic credit. It is an advanced practicum to assist students in continuing to develop and hone their professional writing, presentation and analytical skills.*

0101	Paula Nadler	Seats (Total: 5)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Contact instructor or department for details.		
I101	Paula Nadler	Seats (Total: 5)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Contact instructor or department for details.		
I102	Paula Nadler	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Paula Nadler	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

**ARTH169A Special Topics in Study Abroad I; Roman Archeology on-site**

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH169I Special Topics in Study Abroad I; Art of Rome**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH200 Art and Society in Ancient and Medieval Europe and the Mediterranean**

Credits: 3      Grading Method: Regular,      CORE: HA      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.*

WB21	Sara Berkowitz	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**ARTH201 Art and Society in the West from the Renaissance to the Present**

Credits: 3      Grading Method: Regular,      CORE: HA      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.*

WB10	Abigail Helinger	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**ARTH269P Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**



Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH269R      Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTH359F      Film as Art; Coen Brothers: Genre Film in a Post-Ironic Age**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.*

WB10	Greg Metcalf	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**ARTH361      American Art Since 1876**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Painting, sculpture, architecture, and the decorative arts in North America after 1876.*

WB21	Abby Eron	Seats (Total: 30)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**ARTH498      Directed Studies in Art History I**

(Perm req)

Credits: 2-3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ARTH499      Honors Thesis**

(Perm req)

Credits: 2-3      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**ARTH798      Directed Graduate Studies in Art History**

Credits: 3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**ARTH799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ARTH898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**ARTH899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**ARTT**

**Art Studio**

**Summer 2017**

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**ARTT110      Elements of Drawing I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.*

Students must pay a \$40.00 materials fee.

0101	Matthew McLaughlin	Seats (Total: 8)		
	<b>Meets May 30, 2017 - July 7, 2017</b>			
	MTuWTh 9:00am - 12:15pm	ASY 2317		Lab
0201	Jessica Van Brakle	Seats (Total: 8)		
	<b>Meets July 10, 2017 - August 18, 2017</b>			
	MTuWTh 9:00am - 12:15pm	ASY 2317		Lab

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**ARTT150 Introduction to Art Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: HA                      General Education: DSHU

*Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.*

0301	Richard Klank	Seats (Total: 25)
<b>Meets May 30, 2017 - June 16, 2017</b>		
MTuWTh 7:00pm - 10:25pm		ASY 2203

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**ARTT169P Special Topics in Study Abroad I; Studio Art I: Drawing and Painting Italy**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT200 Three-Dimensional Art Fundamentals**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT100 and ARTT110.*

*Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials.*

0101	Zac Benson	Seats (Total: 16)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWTh 12:00pm - 3:15pm		ASY 1311

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**ARTT208W Intermediate Special Topics in Art; Introduction to Watercolor and Water Based Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Development of student's work on an intermediate studio level within the context of a special topic.*

There is a special fee of \$40.00 required for this course.

0301	Richard Klank	Seats (Total: 9)
<b>Meets May 30, 2017 - June 16, 2017</b>		
MTuWTh 12:30pm - 6:45pm		ASY 2315                      Lab

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**ARTT210****Elements of Drawing II**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: ARTT110.**Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues.*

Students must pay a \$40.00 materials fee.

0101	Matthew McLaughlin	Seats (Total: 8)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 9:00am - 12:15pm	ASY 2321 Lab
0201	Jessica Van Brakle	Seats (Total: 8)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWTh 9:00am - 12:15pm	ASY 2317 Lab

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**ARTT255****Introduction to Digital Art and Design Processes**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.**Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100.*

Students must pay a \$40.00 materials fee.

0301	Narendra Ratnapala	Seats (Total: 10)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWTh 9:00am - 3:15pm	ASY 3311E

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**ARTT269I****Special Topics in Study Abroad II; Studio Art II: Drawing and Painting Italy**

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit*Special topics course taken as part of an approved study abroad program***Contact department for information to register for this course.**

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**ARTT333 Elements of Sculpture: Wood and Mixed Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Sculptural concepts and fundamental processes using wood and mixed media.*

Students must pay a \$40.00 laboratory studio fee.

0101	Zac Benson	Seats (Total: 12)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 3:15pm - 6:30pm	ASY 1311                      Lab

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**ARTT343 Elements of Printmaking: Screen Printing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Concepts and fundamental processes related to silkscreen printing.*

0301	Justin Strom	Seats (Total: 10)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWTh 10:00am - 4:15pm	ASY 1317

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**ARTT353 Elements of Photography**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.*

*Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept.*

Students must pay a \$40.00 materials fee.

**Contact department for information to register for this course.**

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**ARTT369A Special Topics in Study Abroad III; Focus: Introduction to Digital Photography as Fine Art**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT369D      Special Topics in Study Abroad III; Design: London**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT369L      Special Topics in Study Abroad III; Writing with Light**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT369T      Special Topics in Study Abroad III; Travel Photography**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT386      Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**ARTT409L      Study Abroad Special Topics IV; Design, Art and Culture: London**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ARTT418      Advanced Drawing Studio**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.*

Students must pay a \$40.00 materials fee.

0101	Matthew McLaughlin	Seats (Total: 4)		
	<b>Meets May 30, 2017 - July 7, 2017</b>			
	MTuWTh 9:00am - 12:15pm	ASY 2321		Lab
0201	Jessica Van Brakle	Seats (Total: 4)		
	<b>Meets July 10, 2017 - August 18, 2017</b>			
	MTuWTh 9:00am - 12:15pm	ASY 2317		Lab

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**ARTT418B      Advanced Drawing Studio; Focus on Watercolor Wash**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.*

Students must pay a \$40.00 materials fee.

0301	Richard Klank	Seats (Total: 18)		
	<b>Meets May 30, 2017 - June 16, 2017</b>			
	MTuWTh 12:30pm - 6:45pm	ASY 2315		Lab

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**ARTT428A      Advanced Painting Studio; Water Color and Water Based Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.*

There is a special fee of \$40.00 required for this course.

0301	Richard Klank	Seats (Total: 9)		
	<b>Meets May 30, 2017 - June 16, 2017</b>			
	MTuWTh 1:00pm - 6:00pm	ASY 2315		

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**ARTT438D      Advanced Sculpture Studio; Wood and Mixed Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.*

Students must pay a \$40.00 laboratory studio fee.

0101	Zac Benson	Seats (Total: 7)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 3:15pm - 6:30pm	ASY 1311 Lab

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**ARTT448E      Advanced Printmaking Studio; Advanced Screen Printing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.*

0301	Justin Strom	Seats (Total: 10)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWTh 10:00am - 4:15pm	ASY 1317

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**ARTT460      Seminar in Art Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Senior standing.*

*Exploration of relationship between content and processes of art in a contemporary multi-cultural context.*

**Contact department for information to register for this course.**

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**ARTT468B      Seminar on the Interrelationship Between Art and Art Theory; Issues in Contemporary Art**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The relationship between a student's work and the theoretical context of contemporary art.*

0301	Richard Klank	Seats (Total: 20)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWTh 7:00pm - 10:25pm	ASY 2203

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**ARTT479B      Advanced Digital Media Studio; Introduction to Digital Video Production**



Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.*

Students must pay a \$40.00 materials fee. The primary focus of this course is an introduction to video production. Students will learn principles of pre-production, and post-production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production.

0301	Narendra Ratnapala	Seats (Total: 10)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWTh 9:00am - 3:15pm	ASY 3311E

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**ARTT498A      Directed Studies in Studio Art**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced independent work in Studio Art. Meeting with faculty and studio time arranged.*

Students must pay a \$40.00 materials fee.

**Contact department for information to register for this course.**

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**ARTT628      Painting**

Credits: 3                      Grading Method: Regular,  
Audit

*Graduate painting for advanced special students.*

There is a \$60 lab fee for this course.

0301	Richard Klank	Seats (Total: 5)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWTh 1:00pm - 6:00pm	ASY 2315

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**ARTT698W      Directed Graduate Studies in Studio Art; Water Color and Water Based Media**

Credits: 3                      Grading Method: Regular,  
Audit

*Independent work. Meetings with faculty and studio time arranged.*

There is a special fee of \$60.00 required for this course.

0301	Richard Klank	Seats (Total: 5)
<b>Meets May 30, 2017 - June 16, 2017</b>		
	MTuWTh 1:00pm - 6:00pm	ASY 2315

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## ASTR      Astronomy      Summer 2017

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### ASTR100      Introduction to Astronomy

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS

*Credit only granted for: ASTR100, ASTR101, or ASTR120.*

*An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe.*

0101	Lixin Dai	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 9:30am - 10:50am	CSS 1114
0201	James Hunt	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 9:30am - 10:50am	CSS 2400

### ASTR101      General Astronomy

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Credit only granted for: ASTR100, ASTR101, or ASTR120.*

*Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment.*

Students must pay a \$50.00 Laboratory Materials fee.

0101	Lixin Dai	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 9:30am - 10:50am	CSS 1114
	TuTh 11:00am - 1:00pm	CSS 0254      Lab

0201	James Hunt	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWThF 9:30am - 10:50am	CSS 2400	
TuTh 11:00am - 1:00pm	CSS 0254	Lab

**ASTR699 Special Problems in Advanced Astronomy**  
 Credits: 1-6      Grading Method: Regular  
**Contact department for information to register for this course.**

**ASTR898 Pre-Candidacy Research**  
 Credits: 1-8      Grading Method: Regular  
**Contact department for information to register for this course.**

**ASTR899 Doctoral Dissertation Research**  
 Credits: 1-8      Grading Method: Regular  
**Contact department for information to register for this course.**

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## **BCHM      Biochemistry      Summer 2017**

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**BCHM461 Biochemistry I**  
 Credits: 3      Grading Method: Regular,  
                          Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463.*

*First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.*

0101	Christopher Capp	Seats (Total: 100)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWThF 9:30am - 10:50am	CHM 1407	

**BCHM462 Biochemistry II**  
 Credits: 3      Grading Method: Regular,  
                          Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.*

*A continuation of BCHM 461. Metabolic pathways and metabolic regulation energy transduction in biological systems, enzyme catalytic mechanisms.*

0201	Douglas Julin	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 9:30am - 10:50am	PHY 1402

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**BCHM463 Biochemistry of Physiology**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.*

*A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.*

0101	Christiana Addei-Maanu	Seats (Total: 55)
<b>Meets May 30, 2017 - July 21, 2017</b>		
	TuW 9:15am - 11:25am	KEB 1200
	F 9:30am - 10:25am	KEB 1200

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**BCHM699 Special Problems in Biochemistry**

Credits: 1-6                      Grading Method: Regular,  
Audit

*Laboratory experience in a research environment. Restricted to students in the non-thesis M.S. option.*

**Contact department for information to register for this course.**

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**BCHM799 Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**BCHM898 Pre-Candidacy Research**

Credits: 1                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**BCHM899 Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular

Contact department for information to register for this course.

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<b>BEES</b>	<b>Behavior, Ecology, Evolution and Systematics</b>	<b>Summer 2017</b>
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<b>BEES799</b>	<b>Master's Thesis Research</b>
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Credits: 1-6	Grading Method: Regular, Sat-Fail
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Contact department for information to register for this course.

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<b>BEES899</b>	<b>Doctoral Dissertation Research</b>
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Credits: 1-8	Grading Method: Regular, Sat-Fail
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0101	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0200	Michele Dudash <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0210	Charles Fenster <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0230	Bill Fagan <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0260	Margaret Palmer <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)

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<b>BIOE</b>	<b>Bioengineering</b>	<b>Summer 2017</b>
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<b>BIOE120</b>	<b>Biology for Engineers</b>
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Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in MATH140. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.*

0101	Angela Jones	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MWF 1:00pm - 3:40pm	CHE 2136

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## **BIOE121                      Biology for Engineers Laboratory**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.*

0101	Angela Jones	Seats (Total: 12)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MF 9:00am - 9:50am	CHE 2145
	MF 10:00am - 12:00pm	CHE 1145

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## **BIOE160                      Biopharmaceutical Production**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Young Scholars Program. Credit only granted for: BIOE168 or BIOE160. Formerly: BIOE168.*

*Focuses on the basics of recombinant DNA technology as applied to biopharmaceutical manufacturing in a classroom setting. Students will work through a "production campaign" including all key steps of manufacturing a protein product.*

YS41	Ben Woodard, Kevin Knapstein	Seats (Total: 14)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:00am - 9:50am	CHE 2118
	MTuWThF 10:00am - 12:50pm	CHE 1203 Lab
	<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>	
YS42	Ben Woodard, Kevin Knapstein	Seats (Total: 16)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:00am - 9:50am	CHE 2118
	MTuWThF 2:00pm - 4:50pm	CHE 1203 Lab
	<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>	

## BIOE221 Academic and Career Planning

Credits: 1 Grading Method: Regular

*Prerequisite: BIOE120 and BIOE121. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*

*Provides practical tools to help Bioengineering majors think critically about their goals and career paths. Guides Bioengineering students through accessing useful resources both on- and off-campus.*

WB21	Tracy Chung	Seats (Total: 30)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## BIOE331 Biofluids

Credits: 3 Grading Method: Regular

*Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and must have completed or be concurrently enrolled in BIOE232. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE331, ENCE305, or ENME331.*

*Principles and applications of fluid mechanics with a focus on bioengineering topics. Content includes conservation of mass, momentum, and energy, as well as the application of these fundamental relations to hydrostatics, control volume analysis, internal and external flow, and boundary layers. Applications to biological and bioengineering problems such as tissue engineering, bioprocessing, imaging, and drug delivery.*

0101	Jose Aranda-Espinoza	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuWTh 9:30am - 12:00pm	EGR 0135

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**BIOE399 Independent Study in Bioengineering**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study.*

**Contact department for information to register for this course.**

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**BIOE399H Independent Study in Bioengineering**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study.*

**Contact department for information to register for this course.**

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**BIOE489C Special Topics in Bioengineering; Mechanical Design of Medical Devices**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Exploring a variety of topics with Bioengineering.*

0201	Instructor: TBA	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 5:30pm - 8:45pm	CHE 2118

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**BIOE689 Special Topics in Bioengineering**

Credits: 1-3      Grading Method: Regular

*Research Oriented Individual Instruction course.*

**Contact department for information to register for this course.**

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**BIOE689F Special Topics in Bioengineering; Applications of Bioinformatics**

Credits: 3      Grading Method: Regular

*Research Oriented Individual Instruction course.*

BI01	Keith Herold	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE

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**BIOE799 Master's Thesis Research**



(Perm req) Credits: 1-6 Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**BIOE898 Pre-Candidacy Research**  
(Perm req) Credits: 1-8 Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**BIOE899 Doctoral Dissertation Research**  
Credits: 1-8 Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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## **BIOL Biology Summer 2017**

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**BIOL609 Special Problems in Biology**  
Credits: 1-6 Grading Method: Regular  
*One seminar per week for each subject selected: A-Cell Biology; B-Developmental Biology; C-Estuarine and Marine Biology; D-Genetics; E-Parasitology; F-Physiology; G-Systematics and Evolutionary Biology; I-Behavior; J-General; K-Endocrinology; L-Ecology.*  
**Contact department for information to register for this course.**

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**BIOL799 Master's Thesis Research**  
Credits: 1-6 Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**BIOL898 Pre-Candidacy Research**  
(Perm req) Credits: 1-8 Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**BIOL899 Doctoral Dissertation Research**  
Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0201	Instructor: TBA	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0212	Ricardo Araneda	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0223	Carlos Machado	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## BIOM      Biometrics      Summer 2017

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### BIOM688A      Topics in Biometrics; Consulting Experience in Biometrics

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics of current interest in various areas of biometrics. Credit assigned will depend on lecture and/or laboratory time scheduled and organization of the course.*

0201	Jiuzhou Song	Seats (Total: 1)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

### BIOM698      Special Problems in Biometrics

(Perm req)      Credits: 1      Grading Method: Regular,  
Audit

*Individual study of a particular topic in biostatistics or biomathematics.*

**Contact department for information to register for this course.**

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## BISI      Biological Sciences      Summer 2017

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### BISI799      Master's Thesis Research

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

### BISI898      Pre-Candidacy Research; Pre-Doctoral Reserach

Credits: 1-8      Grading Method: Regular

0132	Daniel Gruner	Seats (Total: 3)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

## BISI899

### Doctoral Dissertation Research

Credits: 1-8      Grading Method: Regular, Sat-Fail

0101	Instructor: TBA	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0172	Iqbal Hamza	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Instructor: TBA	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0202	Kan Cao	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Wenxia Song	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Patrick Kanold	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	John Marino	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0206	Michael Cummings	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0207	Silvia Muro	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	William Lamp	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Daniel Nelson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0210	Heven Sze	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0211	Roy Mariuzza	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0212	Michele Dudash	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0213	Antony Jose	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0214	Sridhar Hannenhalli	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0215	Alexandra Bely	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0216	Kevin McIver	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0217	Leslie Pick	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0218	Shunyuan Xiao	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0222	Karen Lips	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0230	Najib El-Sayed	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0231	Charles Mitter	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0235	Bill Fagan	Seats (Total: 2)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0242	David Mosser	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0269	Anne Simon	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0281	Norma Andrews	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0285	Daniel Perez	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0286	John Moulton	Seats (Total: 2)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0287	Gerald Wilkinson	Seats (Total: 2)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## BMGT Business and Management Summer 2017

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### BMGT220 Principles of Accounting I

Credits: 3                      Grading Method: Regular

*Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.*

0101	Heedong Kim	Seats (Total: 40)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWTh 11:00am - 12:45pm		VMH 1330

### BMGT221 Principles of Accounting II

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT220.*

*Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.*

0101	Richard Costantino	Seats (Total: 40)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWTh 2:00pm - 3:45pm		VMH 1335

### BMGT230 Business Statistics

Credits: 3                      Grading Method: Regular                      General Education: FSAR

*Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH120 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.*

0101	Debdatta Sinha Roy	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 2:00pm - 5:25pm	VMH 1333
0201	Wenchang Zhang	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 2:00pm - 5:10pm	VMH 1330

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**BMGT289I      Why Good Managers Make Bad Decisions**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: MS      General Education: DSSP, SCIS

0601	Jeff Miller	Seats (Total: 20)
	<b>Meets July 31, 2017 - August 18, 2017</b>	
	MTuWTh 10:00am - 1:10pm	VMH 1335

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**BMGT310      Intermediate Accounting I**

Credits: 3      Grading Method: Regular

*Prerequisite: BMGT221.*

*Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.*

0101	Ruyun Feng	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 11:00am - 12:45pm	VMH 1335

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**BMGT340      Business Finance**

Credits: 3      Grading Method: Regular

*Prerequisite: BMGT221; and (BMGT231 or BMGT230).*

*Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.*

Portions of this course will be offered online.

0101	Karen Hallows	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 2:00pm - 5:25pm	VMH 1330

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### **BMGT350      Marketing Principles and Organization**

Credits: 3                      Grading Method: Regular

*Prerequisite: ECON200 or ECON205.*

*An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.*

0201	Roxanne Lefkoff	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 6:00pm - 9:10pm	VMH 1335

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### **BMGT352      Customer-Centric Innovation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BMGT350.*

*Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch.*

**Contact department for information to register for this course.**

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### **BMGT357      Retailing and Marketing Internship**

(Perm req)                      Credits: 3-6                      Grading Method: Regular

*Prerequisite: BMGT350. Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in a major in BMGT-Robert H. Smith School of Business.*



*Supervised work experience with a firm engaged in marketing goods or services. Students apply concepts learned in marketing classes and analyze the firm's organizational structure, environment and marketing strategy.*

*[Click here for more course information.](#)*

I201	Mary Harms	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## **BMGT364 Managing People and Organizations**

Credits: 3      Grading Method: Regular

*An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.*

0101	Bradley Baker	Seats (Total: 45)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 2:00pm - 5:45pm		VMH 1330
0201	Insiya Hussain	Seats (Total: 45)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MW 2:00pm - 5:10pm		VMH 1335

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## **BMGT373 Supply Chain Management Internship**

(Perm req)

Credits: 3-6      Grading Method: Regular

*Prerequisite: BMGT370 or BMGT372. Restriction: Permission of BMGT-Robert H. Smith School of Business.*

*Involves supervised work experience in supply chain management, logistics and/or transportation. Students will be expected to relate course material to work experience in an analysis of a firm's operations.*

*[Click here for more course information.](#)*

I201	John Paraskevas	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BMGT380 Business Law I**

Credits: 3                      Grading Method: Regular

*Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.*

0201	William McClenahan	Seats (Total: 45)
<b>Meets July 20, 2017 - August 18, 2017</b>		
	TuTh 5:45pm - 10:00pm	VMH 1330

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**BMGT386 General Business Internship**

(Perm req)

Credits: 3-6                      Grading Method: Regular

*Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in a major in BMGT-Robert H. Smith School of Business.*

*Supervised work experience in business. Students will be expected to relate course material to work experience in an analysis of a firm's operations.*

*[Click here for more information.](#)*

I201	Alan Pritchard	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BMGT392 Introduction to International Business Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON200.*

*A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.*

**Contact department for information to register for this course.**

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**BMGT398 Individual Study in Business and Management**

(Perm req)

Credits: 1-3                      Grading Method: Regular

**Contact department for information to register for this course.**

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**BMGT398G Individual Study in Business and Management; Social Entrepreneurship Internship**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit  
**Contact department for information to register for this course.**

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**BMGT446                      International Finance**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BMGT340.*

*Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.*

**Contact department for information to register for this course.**

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**BMGT454                      Global Marketing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BMGT350.*

*Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.*

**Contact department for information to register for this course.**

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**BMGT455                      Sales Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350.*

*The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices.*

**Contact department for information to register for this course.**

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**BMGT458I                      Special Topics in Marketing; Organizational Communicatoin in Italy**

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced topics in marketing.*

**Contact department for information to register for this course.**

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**BMGT461****Entrepreneurship**

Credits: 3                      Grading Method: Regular,                      General Education: DSSP  
Pass-Fail, Audit

*Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, BMGT461, ENES460 or HLMN470.*

*Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.*

**Contact department for information to register for this course.**

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**BMGT463****Cross-cultural Challenges in Business**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.*

**Contact department for information to register for this course.**

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**BMGT484****Digital Marketing**

Credits: 3                      Grading Method: Regular

*Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*Examines the process of developing, implementing, and analyzing strategies for successfully marketing a variety of existing and potential products and services through digital means, including the web, social media, and mobile apps. Both the development and analysis of digital media for marketing will be discussed.*

**Contact department for information to register for this course.**

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**BMGT495****Strategic Management**

Credits: 3                      Grading Method: Regular                      CORE: CS                      General Education: DSSP

*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*

*A case-based course where students learn to play the role of the "strategic manager" who defines the scope of its business operations and, within the chosen scope, how the firm will compete against rivals. This course focuses on how a firm can both formulate effective business-level and corporate-level strategies to achieve competitive advantage and earn above average profits.*

0101	Hyeun Lee	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 5:30pm - 9:00pm	VMH 1335
0201	Liyue Yan	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 2:00pm - 5:10pm	VMH 1335

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**BMGT828 Independent Study in Business and Management**

(Perm req)

Credits: 1-9      Grading Method: Regular

By permission only of the Graduate Director.

**Contact department for information to register for this course.**

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**BMGT898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**BMGT899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

Contact Graduate Program Director to make arrangements.

**Contact department for information to register for this course.**

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**BSCI Biological Sciences Program Summer 2017**

**BSCI135 Amazing Green: Plants that Transformed the World**

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: LL      General Education: DSNL, SCIS

*An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use.*

0101	Edgar Moctezuma	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	HJP 3237
	TuTh 1:00pm - 3:00pm	HJP 3237 Lab

*The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.*

## **BSCI170 Principles of Molecular & Cellular Biology**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSNL (if taken with BSCI171), DSNS

*Prerequisite: Must have math eligibility of MATH120 or higher. Recommended: For Science majors. Credit only granted for: BSCI105 or BSCI170. Formerly: BSCI105.*

*Basic principles of biology with special emphasis on cellular and molecular biology.*

Students must pay a \$40.00 laboratory materials fee.

0101	Michael Keller	Seats (Total: 120)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MWF 9:00am - 11:50am	JMP 3201

## **BSCI171 Principles of Molecular & Cellular Biology Laboratory**

Credits: 1      Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH120 or higher. Corequisite: BSCI170. Recommended: For Science majors.*

*Basic laboratory principles of biology with special emphasis on cellular and molecular biology.*

0101	David Kirschtel	Seats (Total: 23)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 9:00am - 11:50am	HJP 1226 Lab
0102	David Kirschtel	Seats (Total: 23)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 12:00pm - 2:50pm	HJP 1236 Lab

**BSCI201****Human Anatomy and Physiology I**

Credits: 4                      Grading Method: Regular,  
    Pass-Fail, Audit                      CORE: LL                      General Education: DSNL

*Prerequisite: BSCI170 and BSCI171; or BSCI105; or students who have taken courses with comparable content may contact the department.*

*Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.*

Students must pay a \$40.00 Laboratory Materials fee. (Sponsoring Department: BIOL.)

0101	Caitlin Fox, Justicia Opoku-Edusei <b>Meets May 30, 2017 - July 7, 2017</b> MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24)  BPS 1243 BPS 0205                      Lab
0102	Justicia Opoku-Edusei, Caitlin Fox <b>Meets May 30, 2017 - July 7, 2017</b> MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24)  BPS 1243 BPS 0205                      Lab
0105	Caitlin Fox, Justicia Opoku-Edusei <b>Meets May 30, 2017 - July 7, 2017</b> MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24)  BPS 1243 BPS 0275                      Lab

**BSCI202****Human Anatomy and Physiology II**

Credits: 4                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: BSCI201; or permission of CMNS-Biology department.*

*Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.*

Students must pay a \$40.00 Laboratory Materials fee. Sponsoring Department: BIOL.

0201	Caitlin Fox, Tammatha O'Brien <b>Meets July 10, 2017 - August 18, 2017</b> MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24)  HJP 0226 BPS 0275                      Lab
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0202	Tammatha O'Brien, Caitlin Fox <b>Meets July 10, 2017 - August 18, 2017</b> MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24)  HJP 0226 BPS 0275      Lab
0204	Tammatha O'Brien, Caitlin Fox <b>Meets July 10, 2017 - August 18, 2017</b> MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24)  HJP 0226 BPS 0201      Lab
0205	Caitlin Fox, Tammatha O'Brien <b>Meets July 10, 2017 - August 18, 2017</b> MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24)  HJP 0226 BPS 0201      Lab

## BSCI222

### Principles of Genetics

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM131 and CHEM132; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or must have completed BSCI105 or (BSCI170 and BSCI171); and two semesters of chemistry.*

*Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.*

0101	David Straney <b>Meets May 30, 2017 - July 7, 2017</b> MTuWThF 1:00pm - 2:20pm TuThF 3:00pm - 5:00pm	Seats (Total: 40)  HJP 2242 HJP 2242      Discussion
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## BSCI223

### General Microbiology

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit      CORE: LL      General Education: DSNL,  
SCIS

*Prerequisite: BSCI170 and BSCI171; or BSCI105.*

*Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology.*

Students must pay a \$40.00 laboratory materials fee.



0101	John Buchner	Seats (Total: 14)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 11:50am	MCB 1207
	MTuWThF 12:30pm - 2:30pm	MCB 1201 Lab
0102	John Buchner	Seats (Total: 13)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 11:50am	MCB 1207
	MTuWThF 12:30pm - 2:30pm	MCB 1205 Lab
0103	John Buchner	Seats (Total: 13)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 11:50am	MCB 1207
	MTuWThF 12:30pm - 2:30pm	MCB 1206 Lab

#### BSCI279

#### Supplemental Study; Supplemental Study in Biology

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.*

(Sponsoring Department: BIOL.)

**Contact department for information to register for this course.**

#### BSCI279E

#### Supplemental Study; Environmental Biology

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.*

This Course will explore adaptation and natural selection; organismic, population, community, and ecosystem ecology; and human impact on natural systems

YS41	Megan Evansen	Seats (Total: 12)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:30am - 12:00pm	SYM 0215
	TuTh 2:00pm - 4:30pm	HJP 3211 Discussion
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

**BSCI289****Off-Campus Internship**

(Perm req)

Credits: 1-3

Grading Method: Sat-Fail

*Elective credit for formally established off-campus research internship. Permission of Director of Outreach required.*

I101	Katerina Thompson	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Katerina Thompson	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

**BSCI330****Cell Biology and Physiology**

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. And minimum grade of C- in BSCI170 and BSCI171; or minimum grade of C- in BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.*

*Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.*

Students must pay a \$40.00 lab materials fee.

0101	Hadiya Woodham	Seats (Total: 27)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWTh 11:30am - 1:10pm	PLS 1119
	TuWTh 8:30am - 11:20am	PLS 1171      Lab

**BSCI338I****Special Topics in Biology; Medical Biotechnology & Drug Development**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

**Contact department for information to register for this course.**

**BSCI338M****Special Topics in Biology; Human Health and Disease: A Clinical Approach**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

**Contact department for information to register for this course.**

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**BSCI338Z**

**Special Topics in Biology; Field Research**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, mini-courses and other special instruction in various biological subjects.*

(Sponsoring Department: BIOL.)

0101	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0201	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
SG10	Beth Parent <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
SG20	Beth Parent <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 10)

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**BSCI339I**

**Selected Topics in Biology; CELL MECH AGING & DISEAS**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, and other selected instruction courses in various biological subject matter.*

Prerequisite: BSCI330. Students will explore the cellular mechanisms underlying aging and a variety of noninfectious diseases and disorders ranging from diabetes and obesity to Alzheimer's and various cancers. In addition to online lectures, students will read and discuss relevant primary and secondary literature in the area of cell biology and biomedicine. Assessments will include assignments/quizzes, discussion forums, and one or more wiki page/PowerPoint-based presentations covering topics relevant to aging and disease. Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG cell biology category, GENB cell biology/physiology category.

WB51	Hadiya Woodham	Seats (Total: 20)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**BSCI339N      Selected Topics in Biology; Natural History, Ecology and Geology of Australia**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Lectures, seminars, and other selected instruction courses in various biological subject matter.*

**Contact department for information to register for this course.**

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**BSCI342      Biology of Reproduction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI170 and BSCI171; or BSCI105; or permission of CMNS-Biological Sciences UG Program. Also offered as: WMST326. Credit only granted for: BSCI342 or WMST326.*

*The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior, and menopause.*

0101	Justicia Opoku-Edusei	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 9:00am - 10:40am	BPS 1243

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**BSCI348      Special Topics in Cell Biology and Molecular Genetics**

Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

0223	Byrn Quimby	Seats (Total: 1)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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**BSCI348J      Special Topics in Cell Biology and Molecular Genetics; Medical Microbiology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

Prerequisite: BSCI105 (grade of B or better) or BSCI223 or BSCI283. Credit only granted for BSCI424 or BSCI348J. Mechanisms of pathogenesis, detection, prevention and treatment of bacterial, viral and parasitic pathogens of humans.

WB11	Volker Briken <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 25)  ONLINE
WB21	Volker Briken <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 25)  ONLINE

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**BSCI348M      Special Topics in Cell Biology and Molecular Genetics; Epidemiology of Microbial Pathogens**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

Acceptable towards Biological Sciences areas: MICB and GENB. Prerequisite: BSCI105. Study of infectious bacteria and viruses acting at the population level in humans and animals. Identification of causes and spread of infection.

WB31	Jeffrey Olimpo <b>Meets May 30, 2017 - June 16, 2017</b> Class time/details on ELMs	Seats (Total: 31)  ONLINE
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**BSCI348R      Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.*

Microbiology Internship. Opportunity for students to perform research, relating to microbiology in an off-campus laboratory. Permission of Instructor required. 3 credits applicable to MICB specialization area.

I101	David Straney <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
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I201	David Straney	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BSCI379 Cell Biology and Molecular Genetics Department Research**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.*

**Contact department for information to register for this course.**

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**BSCI379G Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.*

**Contact department for information to register for this course.**

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**BSCI379H Cell Biology and Molecular Genetics Department Honors Research**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Student should consult program guidelines. Research project carried out under guidance of faculty advisor.*

0201	Steven Hutcheson	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BSCI379M Cell Biology and Molecular Genetics Department Research; Research in Microbiology**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.*

Research carried out under guidance of faculty advisor. Student must make arrangements with a CBMG Departmental faculty member to do this research and register for this course. Permission Required.

**Contact department for information to register for this course.**

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**BSCI379P      Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.*

Research carried out under guidance of faculty advisor. Student must make arrangements with a CBMG Departmental faculty member to do this research and register for this course. Permission Required.

**Contact department for information to register for this course.**

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**BSCI389      Entomology Department Research**

(Perm req)

Credits: 1-2

Grading Method: Regular,  
Pass-Fail, Audit

*Credit to be determined by the department. Should be taken during the junior year. Investigations of assigned entomological problems. No more than 4 credit hours of BSCI389 may be applied to the 120 credit hours needed for the Bachelor's degree.*

**Contact department for information to register for this course.**

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**BSCI399      Biology Department Research**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.*

(Sponsoring Department: BIOL.)

0101	Reid Compton	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Reid Compton	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BSCI399H      Biology Department Honors Research**

(Perm req)

Credits: 1-2

Grading Method: Regular

*A laboratory research problem; required each semester during honors participation and culminating in an honors thesis.*

(Sponsoring Department: BIOL.)

**Contact department for information to register for this course.**

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**BSCI399L      Biology Department Research; Biology Lab Research**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.*

Any combination of 3 credits of BSCI399, BSCI399L, and BSCI399H can be used to satisfy the enrichment requirement in CEBG, ECEV, MICB, or PHNB or an upper-level elective in GENB. Students must have successfully completed at least one semester in a Biology department research lab before getting permission to take BSCI399L in the same lab. Students completing at least 4 credits of laboratory research including at least one semester taking BSCI399L may substitute this experience for one of the two upper-level laboratory courses required to complete any BSCI major.

0101	Reid Compton	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Reid Compton	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BSCI414      Recombinant DNA Laboratory**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI222.*

*An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.*

Students must pay a \$40.00 lab materials fee.



0101	Sandra Fox-Moon	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 3:00pm	MCB 1143      Lab

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**BSCI422      Principles of Immunology**

Credits: 3      Grading Method: Regular

*Prerequisite: BSCI223 and BSCI222. Recommended: BSCI330. Restriction: Junior standing or higher.*

*The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.*

0101	Kenneth Frauwirth	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 1:00pm - 2:40pm	MCB 1207

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**BSCI440      Mammalian Physiology**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.*

*A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441).*

0201	David Sandstrom	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWTh 10:00am - 11:45am	ANS 0408
	MTuWTh 8:00am - 9:45am	ANS 0408      Discussion

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**BSCI447      General Endocrinology**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI330, CHEM241, and CHEM242.*

*Functions and dysfunctions of the endocrine system with special reference to mammals.*

WB21	Tammatha O'Brien	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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## BSGC Global Communities Summer 2017

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### BSGC398A BSGC Experiential Learning in Global Communities: Global Service

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DVCC

*Experiential learning is an integral element of the Global Communities program. Students will gain an understanding of social issues in marginalized communities, engage in service-learning, and develop an action plan for civic engagement in a diverse global society.*

WB11	Natalie Vinski Ibrahim	Seats (Total: 5)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Class time/details on ELMs		ONLINE

### BSGC399 Topical Investigations in Global Communities

Credits: 1-3      Grading Method: Regular, Pass-Fail, Audit

*Variable from 1-3 credits and repeatable up to 6 if content varies.*

WB11	Virginia Haufler	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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## BSOS Behavioral and Social Sciences Summer 2017

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### BSOS288I Special Topics in Behavioral and Social Sciences; Social Science Internship Practicum

(Perm req)      Credits: 1-3      Grading Method: Regular

*Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.*

I101	Kathryn Hopps	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

I201	Kathryn Hopps	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BSOS288M Special Topics in Behavioral and Social Sciences; MSEC Internship**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.*

**Contact department for information to register for this course.**

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**BSOS355 Social Sciences Internship Practicum**

(Perm req)

Credits: 3                      Grading Method: Regular

*Restriction: Must have earned a minimum of 60 credits; and minimum cumulative GPA of 2.5; and must have completed at least 1 semester at UMD. Credit only granted for: BSOS388I or BSOS355. Formerly: BSOS388I.*

*BSOS 355 is an internship course open to all majors. It will enable students to articulate and apply the scholarship from the discipline related to their specific internship placement into a real-work environment.*

I101	Kathryn Hopps	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Kathryn Hopps	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**BSOS386 Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**BSOS388Q Behavioral and Social Sciences Special Topics; Cesar Directed Study**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.*

Contact department for information to register for this course.

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## BSST Terrorism Studies Summer 2017

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### BSST338A Special Topics in Terrorism Studies; Terrorist Hostage Taking

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

Examine different forms of hostage taking and consider approaches to studying behavior, along with the problems inherent in such research. Weekly topics will include issues such as scripts and patterned behavior, victim resistance, what the Stockholm Syndrome might really mean. This course explores the tactical choices of terrorist groups, the responses of the other players and how the combinations might impact the end results.

WB21	Margaret Wilson	Seats (Total: 34)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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### BSST338O Special Topics in Terrorism Studies; School Shooters and Spree Killers

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

WB11	Michael Egnoto	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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### BSST338X Special Topics in Terrorism Studies; Countering Violent Extremism and Deradicalization in International Contexts

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

**Contact department for information to register for this course.**

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**BSST358A      Special Topics in Study Abroad III; Community Resilience Internship Program**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**BSST370      Terrorist Financing Analysis and Counterterrorist Finance**

Credits: 3                      Grading Method: Regular,                      General Education: FSAR  
Pass-Fail

*Credit only granted for: BSST370 or BSST338Z. Formerly: BSST338Z.*

*This course will discuss terrorist financial activities, initiatives focused on countering those financial activities, and sanctions policy. This course approaches these topics through various techniques including, structured analytic tools, such as weighted ranking methods, scenario trees, causal flow diagramming, hypothesis testing, utility analysis, as well as game theory and logic will be incorporated into the course to provide students a better framework to form analytic judgments. At the end of the course, students will have gained a solid foundational understanding of the financing and counter-financing of terrorists.*

WB11	Jason Blazakis	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**BSST386      Experiential Learning in Terrorism Studies**

(Perm req)                      Credits: 1-5                      Grading Method: Regular,  
Pass-Fail

*Repeatable to 10 credits.*

*This course will supplement student's experiential learning experience, or internship in the field of terrorism studies and homeland security with guided reflection on their experiences.*

I101	Elizabeth Wasden	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

I201	Elizabeth Wasden	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

**BSST638D Special Topics in Terrorism Studies; Community Resilience Internship Program**

Credits: 3      Grading Method: Regular, Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

**Contact department for information to register for this course.**

BSST638V	Special Topics in Terrorism Studies; Countering Violent Extremism and Deradicalization in International Contexts
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Credits: 3      Grading Method: Regular,  
Audit

*A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.*

**Contact department for information to register for this course.**

## BUAC Accounting and Information Assurance Summer 2017

**BUAC758G Special Topics in Accounting and Information Assurance; Forensic Accounting/Fraud Detection**

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in accounting and information assurance.*

GS10	Mary Keim	Seats (Total: 45)
<b>Meets May 30, 2017 - June 21, 2017</b>		
	MW 6:25pm - 10:00pm	BLD2 2032

**BUAC759      Independent Study in Accounting and Information Assurance**

(Perm req) Credits: 1-6 Grading Method: Regular

*Independent study for masters students in accounting and information assurance.*

Contact department for information to register for this course.

## BUFN

## Finance

## Summer 2017

### BUFN754

#### Corporate Risk Management

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.*

DC16	Ceyed Baiju	Seats (Total: 45)
<b>Meets May 27, 2017 - July 15, 2017</b>		
Sa 2:00pm - 6:30pm		DC C1
<i>Meets 5/27, 6/10, 6/24, 7/8, Final 7/15. Blended.</i>		

### BUFN758F

#### Special Topics in Finance; Experiential Learning Project

Credits: 1                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in finance.*

CP25	Haluk Unal	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

### BUFN759

#### Independent Study in Finance

(Perm req)

Credits: 1-6                      Grading Method: Regular

*Independent study for Masters students in finance.*

**Contact department for information to register for this course.**

### BUFN761

#### Derivative Securities

Credits: 2                      Grading Method: Regular

*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN726 or BUFN761. Formerly: BUFN726.*

Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

DC10	Mark Taranto	Seats (Total: 45)
	<b>Meets May 30, 2017 - June 20, 2017</b>	
	TuTh 6:25pm - 10:00pm	DC C1

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## BULM      Logistics, Business, and Public      Summer 2017

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### BULM733

#### Global Trade Logistics

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT773 or BULM733. Formerly: BMGT773.*

*Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.*

BA10	Matthew Arnold	Seats (Total: 45)
	<b>Meets May 30, 2017 - June 20, 2017</b>	
	TuTh 6:25pm - 10:00pm	BA 103

### BULM759

#### Independent Study in Logistics Management

(Perm req)

Credits: 1-6      Grading Method: Regular

*Independent study for Masters students in Logistics Management.*

**Contact department for information to register for this course.**

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## BUMK      Marketing      Summer 2017

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### BUMK758O

#### Special Topics in Marketing; Digital Marketing

Credits: 2      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*



GS10	Elie Ashery	Seats (Total: 45)
	<b>Meets June 26, 2017 - July 20, 2017</b>	
	TuTh 6:25pm - 10:00pm	BLD3 3219

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**BUMK758P      Special Topics in Marketing; Innovation & Product Development**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in marketing.*

DC10	Yogesh Joshi	Seats (Total: 45)
	<b>Meets June 26, 2017 - July 17, 2017</b>	
	MW 6:25pm - 10:00pm	DC C1
GS26	Amitabh Saxena	Seats (Total: 45)
	<b>Meets July 29, 2017 - August 13, 2017</b>	
	TBA	BLD3 3202
	<i>Meets from 9am-4pm on 7/29 and 8/5, then meets from 9AM-1:20PM on 8/6, 8/12, and 8/13.</i>	

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**BUMK759      Independent Study in Marketing**

(Perm req)                      Credits: 1-6                      Grading Method: Regular

*Independent study for Masters students in Marketing.*

**Contact department for information to register for this course.**

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**BUMO      Management and Organization                      Summer 2017**

**BUMO725      Networks and Influence**

Credits: 2                      Grading Method: Regular

*Restriction: Must be in Business and Management (Master's) program.*

*Focuses on networks, social capital, and influence as they relate to operating effectively in organizations. It draws heavily on emerging literature related to social capital and networks, but also integrates concepts from persuasion, communication, and motivation literatures to aid your efforts to build a successful track record for yourself and your organization.*

Meets 5/28, 6/11, 6/25, 7/9, Final 7/16. Blended.

DC16	Kathryn Bartol	Seats (Total: 45)
	<b>Meets May 27, 2017 - July 15, 2017</b>	
	Sa 8:30am - 1:00pm	DC C1
	Class time/details on ELMs	ONLINE
	<i>Meets 5/27, 6/10, 6/24, 7/8, Final 7/15. Blended.</i>	

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**BUM0756      Industry Analysis**

Credits: 2                      Grading Method: Regular

*Recommended: BUSI690. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT792 or BUM0756. Formerly: BMGT792.*

*Conceptual framework and analytical tools for understanding the dynamic of industry structure. Impacts of past and future attractiveness of the industry on profitability. Developing and applying frameworks to devise competitive strategies in uncertain industries.*

BA10	Michael Geppi	Seats (Total: 45)
	<b>Meets June 26, 2017 - July 17, 2017</b>	
	MW 6:25pm - 10:00pm	BA 103

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**BUM0758G      Special Topics in Management and Organization; Innovation Management**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

DC10	Clarence Wesley	Seats (Total: 45)
	<b>Meets May 30, 2017 - June 21, 2017</b>	
	MW 6:25pm - 10:00pm	DC C1

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**BUM0758K      Special Topics in Management and Organization; Business Consulting**

(Perm req)

Credits: 4                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

DC10	Nicole Coomber	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MW 6:25pm - 10:00pm	DC C2

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**BUM0758W Special Topics in Management and Organization; Shaping the Corporate Future through Systems and Design Thinking**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

DC26	Jose Suarez	Seats (Total: 50)
<b>Meets July 29, 2017 - August 5, 2017</b>		
SaSu 8:30am - 6:30pm		DC C3
<i>Meets 7/29 9am-6pm, 7/30 9am -6pm, 8/5 8:30am-6:30pm.</i>		

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**BUM0758X Special Topics in Management and Organization; Corporate and Investment Sustainability Strategy**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

This course will examine the latest corporate and investment approaches to sustainability strategy, including student development of their own possible corporate and investment strategies, responses and outcomes.

DC16	Cary Krosinsky	Seats (Total: 45)
<b>Meets May 27, 2017 - July 15, 2017</b>		
Sa 8:30am - 1:00pm		DC C2
Class time/details on ELMs		ONLINE
<i>Meets 5/27, 6/10, 6/24, 7/8, Final 7/15. Blended.</i>		

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**BUM0758Z Special Topics in Management and Organization; Fearless Impact: Using Innovative Strategies to Disrupt, Pivot, or Accelerate Your Career**

Credits: 2                      Grading Method: Regular

*Selected advanced topics in the various fields of graduate study in management and organization.*

This course will introduce the design thinking process and utilize it as a framework for long-term career development and management. Given the nature of the topic, the course will be highly participatory requiring participants to collaborate closely with their peers, as well as deeply reflective requiring various exercises and "homework" assignments. While our focus will be on social impact, this approach has wide applicability including on career transitions in general and broad conceptualizations of impact.

DC16	Julie Neill	Seats (Total: 45)
	<b>Meets May 27, 2017 - July 15, 2017</b>	
	Sa 2:00pm - 6:30pm	DC C2
	Class time/details on ELMs	ONLINE
	<i>Meets 5/27, 6/10, 6/24, 7/8, Final 7/15. Blended.</i>	

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**BUMO759 Independent Study in Management and Organization**

(Perm req)

Credits: 1-6      Grading Method: Regular

*Independent study for Masters students in management and organization.*

**Contact department for information to register for this course.**

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**BUMO761 Creativity for Business Leaders and Entrepreneurs**

Credits: 2      Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI661 or BUMO761. Formerly: BUSI661.*

*Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.*

BA26	Oliver Schlake	Seats (Total: 50)
	<b>Meets July 30, 2017 - August 12, 2017</b>	
	SaSu 8:30am - 6:30pm	BA 103
	<i>Meets 7/30, 8/5, 8/12.</i>	
DC10	Oliver Schlake	Seats (Total: 45)
	<b>Meets June 26, 2017 - July 20, 2017</b>	
	TuTh 6:25pm - 10:00pm	DC C1

Any remaining seats in BUSI courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB- accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUSI course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two. For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

## **BUSI611      Managerial Accounting**

(Perm req)

Credits: 2                      Grading Method: Regular

*Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.*

Non-majors should review their registration eligibility in the statement preceding the BUSI courses. (Except: BUSI 611 Section 01D6, please see notes under section 01D6).

BA11	Michael Finch	Seats (Total: 0)
	<b>Meets May 30, 2017 - July 18, 2017</b>	
	Tu 6:25pm - 10:00pm	BA 104
	<i>Meets 5/30-7/18, Final 7/25.</i>	
DC11	Michael Finch	Seats (Total: 0)
	<b>Meets May 31, 2017 - July 12, 2017</b>	
	W 6:25pm - 10:00pm	DC C3
	<i>Meets 5/31-7/12, Final 7/19.</i>	
DC12	Michael Finch	Seats (Total: 0)
	<b>Meets June 1, 2017 - July 13, 2017</b>	
	Th 6:25pm - 10:00pm	DC C3
	<i>Meets 6/1-7/13, Final 7/20.</i>	

DC16	Eugene Cantor	Seats (Total: 0)
	<b>Meets May 27, 2017 - July 15, 2017</b>	
	Sa 8:30am - 1:00pm	DC C3
	Class time/details on ELMs	ONLINE
	<i>Meets 5/27, 6/10, 6/24, 7/8, Final 7/15. Blended.</i>	
GS11	William Ford	Seats (Total: 0)
	<b>Meets June 5, 2017 - July 17, 2017</b>	
	M 6:25pm - 10:00pm	BLD3 3202
	<i>Meets 6/5-7/17, Final 7/24.</i>	

### BUSI683

### The Global Economic Environment

(Perm req)

Credits: 2

Grading Method: Regular

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*

*Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy.*

Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA11	Bennet Zelner	Seats (Total: 0)
	<b>Meets June 1, 2017 - July 13, 2017</b>	
	Th 6:25pm - 10:00pm	BA 104
	<i>Meets 6/1-7/13, Final 7/20.</i>	
DC11	Cristian Dezso	Seats (Total: 0)
	<b>Meets June 5, 2017 - July 17, 2017</b>	
	M 6:25pm - 10:00pm	DC C3
	<i>Meets 6/5-7/17, Final 7/24.</i>	
DC12	Bennet Zelner	Seats (Total: 0)
	<b>Meets May 30, 2017 - July 18, 2017</b>	
	Tu 6:25pm - 10:00pm	DC C3
	<i>Meets 5/30-7/18, Final 7/25.</i>	

DC16	Bennet Zelner	Seats (Total: 0)
	<b>Meets May 27, 2017 - July 15, 2017</b>	
	Sa 1:00pm - 6:30pm	DC C3
	Class time/details on ELMs	ONLINE
	<i>Meets 5/27, 6/10, 6/24, 7/8, Final 7/15. Blended.</i>	
GS11	Cristian Dezso	Seats (Total: 0)
	<b>Meets May 31, 2017 - July 12, 2017</b>	
	W 6:25pm - 10:00pm	BLD3 3202
	<i>Meets 5/31-7/12, Final 7/19.</i>	

### **BUSI698**

### **MBA Consulting Project**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Audit

*Experiential research project in the identification of management problems, the evaluation of alternative solutions, and the recommendation for management.*

**Contact department for information to register for this course.**

### **BUSI759**

### **Independent Study in Business**

(Perm req)

Credits: 1-6

Grading Method: Regular

*Independent study for Masters students in Business.*

**Contact department for information to register for this course.**

### **BUSI761**

### **The Environment of International Business**

Credits: 2

Grading Method: Regular

*Credit only granted for: BMGT794 or BUSI761. Formerly: BMGT794.*

*The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.*

WW20	Gary Cohen	Seats (Total: 25)
	<b>Meets July 24, 2017 - August 25, 2017</b>	
	W 4:30pm - 6:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	<i>Open to all PTMBA students. Online synchronous meetings will be held on 7/26, 8/2, 8/9, 8/16, and 8/23.</i>	

# CBMG      Cell Biology & Molecular Genetics      Summer 2017

## **CBMG699      Special Problems in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Emphasis is placed on research and discussion of current problems in the area of Cell Biology and Molecular Genetics.*

**Contact department for information to register for this course.**

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## **CBMG799      Masters Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

*Master's Thesis Research in Cell Biology and Molecular Genetics.*

**Contact department for information to register for this course.**

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## **CBMG899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

*Doctoral Dissertation Research.*

0101	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0201	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 20)
0213	Jonathan Dinman <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0220	Wenxia Song <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0260	Heven Sze <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)



0275	David Mosser	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## CCJS      Criminology and Criminal Justice      Summer 2017

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### CCJS100      Introduction to Criminal Justice

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.*

0201	Justin Bernstein	Seats (Total: 22)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWTh 11:00am - 12:40pm		TYD 2106
WB11	Deanna Devlin	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

### CCJS105      Introduction to Criminology

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.*

0201	Michelle Fabiani	Seats (Total: 22)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWTh 9:00am - 10:40am		TYD 2106
WB11	Chae Jaynes	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

### CCJS200      Statistics for Criminology and Criminal Justice

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: FSAR

*Prerequisite: CCJS100 or CCJS105. And 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH140); or must have completed MATH220 with a minimum grade of C-. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.*

0101	Alan Lehman	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWTh 1:00pm - 2:40pm	LEF 2166

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### **CCJS300      Criminological and Criminal Justice Research Methods**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSSP

*Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).*

*Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.*

0101	Laure Brooks	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWTh 9:00am - 10:40am	LEF 2166

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### **CCJS342      Corrections**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS100. Credit only granted for: CCJS342 or CCJS452.*

*Examination of the American correctional system. Identification of historical and contemporary themes, issues, and trends. Evaluation of correctional policies, practices and research.*

WB11	Justine Madoo	Seats (Total: 40)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE

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**CCJS359 Field Training in Criminology and Corrections**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.*

**Contact department for information to register for this course.**

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**CCJS370 Race, Crime and Criminal Justice**

(Perm req)

Credits: 3      Grading Method: Regular, , D      General Education: DVUP  
Pass-Fail, Audit

*Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.*

*Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.*

WB21	Christine White	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**CCJS386 Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.*

**Contact department for information to register for this course.**

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**CCJS398 Law Enforcement Field Training; LAW ENFORCEMENT FIELD TRAINING**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised, structured and focused field training in law enforcement agencies.*

**Contact department for information to register for this course.**

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**CCJS399 Independent Study in Criminology and Criminal Justice**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Integrated reading or research under direction and supervision of a faculty member.*

**Contact department for information to register for this course.**

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**CCJS451**      **Crime and Delinquency Prevention**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CCJS105 and CCJS300.*

*Methods and programs in prevention of crime and delinquency.*

WB21	Katie Zafft	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**CCJS458A**      **Special Topics in Study Abroad IV; Human Trafficking in Context: Reactions to Human Trafficking in Thailand**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CCJS604**      **Policy Analysis Project**

Credits: 3                      Grading Method: Regular

*An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.*

**Contact department for information to register for this course.**

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**CCJS651**      **Seminar in Criminology**

Credits: 3                      Grading Method: Regular,  
Audit

*Formerly: CRIM651.*

*Analysis of significant recent issues in Criminology.*

**Contact department for information to register for this course.**

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**CCJS678K**      **Advanced Topics in Criminology and Criminal Justice; Research Methodology**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.*

**Contact department for information to register for this course.**

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**CCJS678L      Advanced Topics in Criminology and Criminal Justice; Professional Development for Criminology in China**

Credits: 3                      Grading Method: Regular,  
Audit

*An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.*

**Contact department for information to register for this course.**

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**CCJS699      Special Criminological Problems**

Credits: 1-3                      Grading Method: Regular,  
Audit

*Supervised study of a selected problem in the field of criminal justice.*

**Contact department for information to register for this course.**

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**CCJS799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**CCJS899      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular

*Doctoral dissertation research in criminal justice and criminology.*

**Contact department for information to register for this course.**

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**CHBE      Chemical and Biomolecular Engineering**

**Summer 2017**

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**CHBE101      Introduction to Chemical and Biomolecular Engineering**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM135; or students who have taken courses with comparable content may contact the department. Corequisite: MATH141. Restriction: Must be in Engineering: Chemical program; or permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE101 or ENCH215. Formerly: ENCH215.*

*Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.*

0101	Deborah Goldberg	Seats (Total: 43)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 9:00am - 1:00pm	CHE 2136

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### **CHBE250 Computer Methods in Chemical Engineering**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: CHBE101; and must have completed or be concurrently enrolled in MATH241.*

*Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department.*

*Credit only granted for: CHBE250 or ENCH250. Formerly: ENCH250.*

*Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.*

0201	Nam Sun Wang	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 9:00am - 1:00pm	PHY 1204

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### **CHBE301 Chemical and Biomolecular Engineering Thermodynamics I**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE101; and must have completed or be concurrently enrolled in CHBE250 and MATH241. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH300 or CHBE301. Formerly: ENCH300.*

*Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.*

0201	William Gibbons	Seats (Total: 43)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 2:00pm - 6:00pm	CHE 2110

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### **CHBE424 Chemical and Biomolecular Engineering Transport Phenomena II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE422. Corequisite: CHBE302. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE424 or ENCH424. Formerly: ENCH424.*

*Principles of mass and heat transfer as applied to model development an process design. Species continuity equation with application to diffusion, and convection in laminar flow. Macroscopic balances and mass transfer coefficients with application to turbulent flow. Microscopic equation of energy with application to heat conduction, and convection in laminar flow. Macroscopic energy balance and heat transfer coefficients with application to turbulent flow. Heat exchanger design.*

0201	Deborah Goldberg	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 11:00am - 3:00pm	CHE 2108

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## **CHBE426                      Chemical and Biomolecular Separation Processes**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: CHBE302; and CHBE424. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE426 or ENCH426. Formerly: ENCH426.*

*Separation by stages operations. Rate dependent separation processes. Design application in distillation, gas absorption, liquid extraction, drying, adsorption and ion exchange.*

0201	Xiaochuan Yang	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 4:30pm - 8:30pm	CHE 2108

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## **CHBE437                      Chemical and Biomolecular Engineering Laboratory**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE437 or ENCH437. Formerly: ENCH437.*

*Application of chemical engineering process and unit operation principals in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results inreport form.*

0101	Audaldo Ponce	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 11:00am - 12:00pm	CHE 2145
	TuTh 1:00pm - 5:00pm	Location: TBA      Lab

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## CHEM      Chemistry      Summer 2017

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### CHEM131      Chemistry I - Fundamentals of General Chemistry

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSNL (if taken with CHEM132)

*Prerequisite: Must have math eligibility of MATH120, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.*

*An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.*

0131	Natalia White	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 9:20am	CHM 1402
	TuTh 10:00am - 11:20am	CHM 1224      Discussion
0138	Earle Stone	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	TuTh 4:15pm - 6:30pm	CHM 1228
	TuTh 7:00pm - 7:50pm	CHM 1228      Discussion

### CHEM132      General Chemistry I Laboratory

Credits: 1      Grading Method: Regular, Pass-Fail

*Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.*

*Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.*

Students must pay a \$40.00 lab materials fee.



0131	Natalia White	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MWF 9:30am - 12:20pm	CHM 1110 Lab
0138	Earle Stone	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MW 4:00pm - 7:00pm	CHM 1111 Lab

## CHEM231

### Organic Chemistry I

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.*

*The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.*

0171	Bonnie Dixon	Seats (Total: 34)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHM 1407
	TuTh 9:30am - 10:50am	CHM 0119 Discussion
0172	Bonnie Dixon	Seats (Total: 34)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHM 1407
	TuTh 9:30am - 10:50am	CHM 0122 Discussion
0173	Bonnie Dixon	Seats (Total: 28)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHM 1407
	TuTh 9:30am - 10:50am	CHM 0128 Discussion
0178	Soumya Rastogi	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	TuTh 4:15pm - 6:30pm	KEY 0116
	TuTh 7:00pm - 7:50pm	CHM 1224 Discussion

0271	Monique Koppel	Seats (Total: 33)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 11:00am - 12:20pm	PHY 1410	
	TuTh 9:30am - 10:50am	CHM 1228	Discussion
0272	Monique Koppel	Seats (Total: 27)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 11:00am - 12:20pm	PHY 1410	
	TuTh 9:30am - 10:50am	CHM 0124	Discussion

## CHEM232

### Organic Chemistry Laboratory I

Credits: 1      Grading Method: Regular

*Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.*

*Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography.*

Students must pay a \$40.00 Laboratory Materials fee.

0171	Bonnie Dixon	Seats (Total: 18)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1360	Lab
0172	Bonnie Dixon	Seats (Total: 18)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1356	Lab
0173	Bonnie Dixon	Seats (Total: 18)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1346	Lab
0178	Soumya Rastogi	Seats (Total: 18)	
	<b>Meets May 30, 2017 - July 21, 2017</b>		
	MW 4:00pm - 7:00pm	CHM 1342	Lab

0271	Monique Koppel	Seats (Total: 18)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MWF 8:00am - 10:50am	CHM 1360 Lab
0272	Monique Koppel	Seats (Total: 18)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MWF 8:00am - 10:50am	CHM 1356 Lab

## CHEM241

### Organic Chemistry II

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.*

*A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.*

0191	Lenea Stocker	Seats (Total: 34)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHM 1402
	TuTh 9:30am - 10:50am	CHM 0127 Discussion
0192	Lenea Stocker	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHM 1402
	TuTh 9:30am - 10:50am	CHM 1228 Discussion
0291	Lee Friedman	Seats (Total: 34)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHE 2110
	TuTh 9:30am - 10:50am	CHM 0127 Discussion
0292	Lee Friedman	Seats (Total: 34)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHE 2110
	TuTh 9:30am - 10:50am	CHM 0128 Discussion

0293	Lee Friedman	Seats (Total: 34)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 11:00am - 12:20pm	CHE 2110	
	TuTh 9:30am - 10:50am	HBK 1112	Discussion

## CHEM242

### Organic Chemistry Laboratory II

Credits: 1      Grading Method: Regular

*Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.*

*Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation.*

Students must pay a \$40.00 Laboratory Materials fee.

0191	Lenea Stocker	Seats (Total: 18)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1326	Lab
0192	Lenea Stocker	Seats (Total: 18)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1330	Lab
0291	Lee Friedman	Seats (Total: 18)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1326	Lab
0292	Lee Friedman	Seats (Total: 18)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1330	Lab
0293	Lee Friedman	Seats (Total: 18)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MWF 8:00am - 10:50am	CHM 1308	Lab

## CHEM271

### General Chemistry and Energetics

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113.*

*An introduction to the physical aspects of chemistry; chemical kinetics thermodynamics and electrochemistry in the context of current chemistry research.*

0241	Elizabeth Griffith	Seats (Total: 24)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MWF 11:00am - 12:20pm	JMP 3201
	TuTh 9:30am - 10:50am	CHM 1224 Discussion
0242	Elizabeth Griffith	Seats (Total: 24)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MWF 11:00am - 12:20pm	JMP 3201
	TuTh 9:30am - 10:50am	CHM 0119 Discussion

## CHEM272 General Bioanalytical Chemistry Laboratory

Credits: 2 Grading Method: Regular,  
Pass-Fail

*Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277.*

*An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.*

Students must pay a \$40.00 laboratory materials fee.

0241	Amanda Schech	Seats (Total: 24)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 11:00am - 12:20pm	JMP 3201
	MWF 8:00am - 10:50am	ESJ 2312 Lab
0242	Amanda Schech	Seats (Total: 24)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 11:00am - 12:20pm	JMP 3201
	MWF 8:00am - 10:50am	ESJ 2316 Lab

## CHEM398 Special Projects

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*Honors projects for undergraduate students.*

0241	Instructor: TBA	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**CHEM399                      Introduction to Chemical Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

**Contact department for information to register for this course.**

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**CHEM399A                      Introduction to Chemical Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

Prerequisite: permission of department.

0106	Neil Blough	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0112	Instructor: TBA	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0141	Instructor: TBA	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0194	Efrain Rodriguez	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0206	Neil Blough	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

0212	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0242	Paul Paukstelis <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0294	Efrain Rodriguez <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)

### CHEM399B

### Introduction to Chemical Research

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

Prerequisite: permission of department.

0141	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0167	Herman Sintim <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 1)
0176	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0194	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)

0241	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0242	Paul Paukstelis <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0267	Herman Sintim <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 1)
0270	Nicole LaRonde <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0276	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
I101	Michael Montague-Smith <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)

### CHEM399C

### Introduction to Chemical Research

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

Prerequisite: permission of department.

0106	Neil Blough <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0109	Zhihong Nie <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)



0141	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0194	Efrain Rodriguez <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0206	Neil Blough <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)

### CHEM399X

#### Introduction to Chemical Research

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Basic (chemical) research conducted under the supervision of a faculty member.*

Prerequisite: permission of department.

0101	Michael Montague-Smith <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0102	Lee Friedman <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Montague-Smith <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)

### CHEM699

#### Special Problems in Chemistry

Credits: 1-6

Grading Method: Regular,  
Audit

*Laboratory experience in a research environment.*

**Contact department for information to register for this course.**

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**CHEM799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**CHEM898 Pre-Candidacy Research**

Credits: 1      Grading Method: Regular, Sat-Fail

0101	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0201	Instructor: TBA <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0212	Bryan Eichhorn <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0283	Michael Zachariah <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
I101	Herman Sintim <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
I201	Herman Sintim <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 10)

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**CHEM899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**CHPH Chemical Physics****Summer 2017**

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**CHPH718D Special Topics in Chemical Physics; Sodium Spinor Bose-Einstein Condensation**

Credits: 3      Grading Method: Regular, Audit

*A discussion of current research problems in chemical physics.*

0149	Paul Lett	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

## CHPH799 Master's Thesis Research

Credits: 1-6      Grading Method: Regular  
**Contact department for information to register for this course.**

**CHPH898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

## CHPH899 Doctoral Dissertation Research

Credits: 1-8      Grading Method: Regular  
**Contact department for information to register for this course.**

**CLAS Classics Summer 2017**

**CLAS170      Greek and Roman Mythology**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HL      General Education: DSHU

*Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.*

*An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.*

0201	Robert Santucci	Seats (Total: 16)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWTh 10:00am - 11:40am	TYD 1108
WB11	Rachel Mullervy	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**CLAS269R      Special Topics in Study Abroad II; Are We Rome?**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**CLAS289A      Are We Rome?**

Credits: 3                      Grading Method: Regular,                      CORE: SH                      General Education: DSHS,  
Pass-Fail, Audit                      DSHU, SCIS

WB21	Gregory Staley	Seats (Total: 35)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**CLAS380      Archaeological Fieldwork in Greece**

Credits: 4                      Grading Method: Regular                      General Education: DSHS,  
DSHU

*Credit only granted for: CLAS369K or CLAS380. Formerly: CLAS369K.*

*Students will learn about the archaeology, history and culture of Greece by participating in the archaeological investigations at Kenchreai, the eastern port of ancient Corinth. Students will learn about data analysis, artifact processing, and conservation, all important components in archaeological fieldwork. This program also gives students a rare chance to live and to learn in one of the most archaeologically rich, historically important, and naturally beautiful regions in Greece, the northeastern Peloponnese. Students will visit sites and museums throughout this region, attend seminars, and experience life in a small village. In this way they will learn not only about the practice of archaeological field research, but also about Greek history and culture from ancient to modern times. While the course focuses on southern Greece during the Roman Empire and Late Antiquity, a period of prosperity and diversity at Kenchreai and in its broader area, students will also explore cultural and historical developments that influenced other regions and longer periods, from the Bronze Age to the Modern era, including religion and cult-practice, art and iconography, settlement and the environment, and the construction of identity.*

**Contact department for information to register for this course.**

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**CLAS499      Independent Study in Classical Languages and Literatures**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**CLAS699 Independent Study in Classical Civilization**

(Perm req)

Credits: 1-3 Grading Method: Regular,  
Audit**Contact department for information to register for this course.****CLAS799 Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-  
Fail**Contact department for information to register for this course.**

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**CLFS Chemical and Life Sciences Summer 2017**

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**CLFS608 Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

(Perm req)

Credits: 1-3 Grading Method: Regular,  
Audit*Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.*

Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register for this class.

**Contact department for information to register for this course.****CLFS608A Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular,  
Audit*Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.*

Contact the Office of Extended Studies (oes@umd.edu) to register for this class.

**Contact department for information to register for this course.****CLFS609D Special Topics; Microbiology**Credits: 3 Grading Method: Regular,  
Audit*Individual instruction course. Contact Program Director or instructor before registering.*

PL01 Robert Hall Seats (Total: 5)

**Meets May 30, 2017 - August 18, 2017**

Class time/details on ELMs ONLINE

*Restricted to students in the CLFS program.*

## Special Topics; Biology of Cancer

Credits: 3      Grading Method: Regular, Audit

*Individual instruction course. Contact Program Director or instructor before registering.*

PL01	Philip Ryan	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE
<i>Restricted to students in the CLFS program.</i>		

**CLFS609J**

## Special Topics; Evolutionary Biology

Credits: 3      Grading Method: Regular, Audit

*Individual instruction course. Contact Program Director or instructor before registering.*

PL01	Janet Norcross	Seats (Total: 7)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in the CLFS program.</i>		

**CLFS655**

# The Chemistry and Applications of Electrochemical Cells

Credits: 3      Grading Method: Regular, Audit

*Chemistry of electrochemical cells including the thermodynamic basis for the production of electrical energy by cells, the chemical reactions utilized by the most common cells, the manufacture of cells, and the application of cells in energy production.*

PL01	Marjan Alaghmand	Seats (Total: 3)
<b>Meets May 30, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE
<i>Restricted to students in the CLFS program.</i>		

# CLFS660

## Biodiversity and Conservation Biology

Credits: 3      Grading Method: Regular, Audit

*Application of ecological and evolutionary principles to assess the impact of the human species on the environment and its inhabitants. Specific case studies are included to illustrate problems of biodiversity loss and actions required to reverse the trends.*

PL01	Marcia Shofner	Seats (Total: 7)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in the CLFS program.</i>		

## CLFS725 Experimental Design

Credits: 2      Grading Method: Regular,  
Audit

*Credit only granted for: LFSC710, LFSC719, or LFSC725. Formerly: LFSC719.*

*Experimental design and statistics for science teachers that emphasizes the underlying structure of data and how this affects the quality and reliability of experiments. Examines the nature of data, the methods for designing rigorous experiments, important experimental design formats, and the relationships between data structure and analysis. Course work focuses on the design and analysis of original experiments for a series of research problems.*

PL01	Bretton Kent	Seats (Total: 6)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in the CLFS program.</i>		

## CMSC Computer Science Summer 2017

### CMSC131 Object-Oriented Programming I

(Perm req)      Credits: 4      Grading Method: Regular

*Corequisite: MATH140; and permission of CMNS-Computer Science department.*

*Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.*

For CMSC majors only.

0101	Fawzi Emad	Seats (Total: 55)
<b>Meets May 30, 2017 - August 7, 2017</b>		
MTuWThF 11:05am - 12:25pm		CSI 3117

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**CMSC132      Object-Oriented Programming II**

(Perm req)

Credits: 4                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.*

*Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.*

0101	Anwar Mamat	Seats (Total: 95)
<b>Meets May 30, 2017 - August 7, 2017</b>		
	MTuWThF 9:30am - 10:50am	CSI 1115

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**CMSC198R      Special Topics in Computer Science for Non-Majors; Introduction to Web Programming using HTML/JavaScript**Credits: 1-4                      Grading Method: Regular,  
Pass-Fail, Audit

*A course designed to allow non-computer science majors and non-computer engineering majors to pursue a specialized topic or project.*

YS41	Nelson Padua-Perez	Seats (Total: 40)
<b>Meets July 10, 2017 - July 28, 2017</b>		
	MTuWThF 10:00am - 1:00pm	ESJ 2309
<i>This section is part of Terp Young Scholars. Enrollment by permission</i>		

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**CMSC216      Introduction to Computer Systems**

(Perm req)

Credits: 4                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216.*

*Machine representation of data including integers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.*



0101	Nelson Padua-Perez	Seats (Total: 130)
	<b>Meets May 30, 2017 - August 7, 2017</b>	
	MTuWThF 2:05pm - 3:25pm	CSI 1115

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**CMSC250 Discrete Structures**

(Perm req) Credits: 4 Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.*

*Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.*

0101	Alex Liao	Seats (Total: 60)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWThF 12:30pm - 2:00pm	CSI 3117

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**CMSC298A Special Topics in Computer Science**

Credits: 1-3 Grading Method: Sat-Fail

*A course designed to allow a lower level student to pursue a specialize topic or project.*

**Contact department for information to register for this course.**

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**CMSC330 Organization of Programming Languages**

(Perm req) Credits: 3 Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department.*

*The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.*

0101	Anwar Mamat	Seats (Total: 60)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CSI 1115

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**CMSC351****Algorithms**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002.*

*A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.*

0101	Clyde Kruskal	Seats (Total: 63)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 9:30am - 10:55am	CSI 3117

**CMSC389N****Special Topics in Computer Science; Introduction to PHP and JavaScript**

(Perm req)

Credits: 3

Grading Method: Regular

*Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.*

*Prerequisite: CMSC216 and CMSC250. Credit only granted for CMSC389J and CMSC389P; or CMSC389N. An introduction to the development of Web-based applications using PHP, JavaScript, MySQL, and Apache. The course covers fundamental programming language constructs of both PHP and JavaScript, forms, sessions, interaction with MySQL via PHP, DOM, and JavaScript event-handling. In addition, popular JavaScript libraries (e.g., JQuery, Angular) will be discussed.*

0101	Nelson Padua-Perez	Seats (Total: 45)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MWF 10:00am - 12:25pm	CSI 2117

**CMSC411****Computer Systems Architecture**

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department. Credit only granted for: ENEE446 or CMSC411.*

*Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.*

0201	Michelle Hugue	Seats (Total: 73)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CSI 2117

## CMSC420 Data Structures

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.*

0101	Michelle Hugue	Seats (Total: 60)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWTh 12:30pm - 1:55pm	CSI 2117
0102	Iason Filippou	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWTh 9:30am - 10:55am	CSI 1121

## CMSC421 Introduction to Artificial Intelligence

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.*

*Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).*

0101	Joshua Brule	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWTh 2:00pm - 3:25pm	CSI 1121

## CMSC498A Selected Topics in Computer Science

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed*

**Contact department for information to register for this course.**

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**CMSC499A Independent Undergraduate Research**

Credits: 1-3

Grading Method: Regular

*Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.*

**Contact department for information to register for this course.**

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**CMSC798 Graduate Seminar in Computer Science**

Credits: 1-3

Grading Method: Regular,  
Audit

0101	Ashok Agrawala	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0102	John Aloimonos	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0103	Victor Basili	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0104	Larry Davis	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0105	Bonnie Dorr	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0106	Howard Elman	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Hal Daume	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Manoj Franklin	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0109	Jeffrey Foster	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0110	William Gasarch	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0111	Hector Bravo	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0112	James Hendler	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0113	Jeffrey Hollingsworth	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0114	Peter Keleher	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0115	Samir Khuller	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0116	Elaine Shi	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0119	David Mount	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0120	Dana Nau	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0121	Dianne O'Leary	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0122	Donald Perlis	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0123	Adam Porter	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0124	William Pugh	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0125	James Purtilo	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0126	James Reggia	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0127	Nicholas Roussopoulos	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0129	Hanan Samet	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0130	A.U. Shankar	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0131	Ben Shneiderman	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0133	Gilbert Stewart	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0134	Venkatramanan Subrahmanian	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0135	Chau-Wen Tseng	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0140	Ben Bederson	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0141	Amy Weinberg	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0142	Samrat Bhattacharjee	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0144	Amitabh Varshney	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0145	William Arbaugh	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0147	Ramalingam Chellappa	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0148	Aravind Srinivasan	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0149	Alan Sussman	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0150	Atif Memon	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0155	Michael Cummings	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0156	Lise Getoor	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0158	Allison Druin	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0159	Francois Guimbretiere	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0160	David Jacobs	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	



0161	Louiqa Raschid	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0162	Michel Cukier	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0163	Michael Hicks	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0164	Jonathan Katz	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0165	Philip Resnik	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0166	Leila DeFloriani	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0167	Amol Deshpande	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0168	Ramani Duraiswami	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0169	Steven Salzberg	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0170	Neil Spring	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0171	Uzi Vishkin	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0175	Mihai Pop	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0176	Jon Froehlich	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0178	John Horthy	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0179	Michelle Hugue	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0181	Douglas Oard	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0184	Walter Cleaveland	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0185	Jimmy Lin	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0186	Vibha Sazawal	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0187	Jordan Boyd-Graber	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0190	Michelle Mazurek	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0191	Andrew Childs	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0192	Niklas Elmqvist	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0193	Leah Findlater	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0194	Thomas Goldstein	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Ashok Agrawala	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0202	John Aloimonos	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Victor Basili	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Larry Davis	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Bonnie Dorr	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0206	Howard Elman	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0207	Hal Daume	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Manoj Franklin	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Jeffrey Foster	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0210	William Gasarch	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0211	Hector Bravo	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0212	James Hendler	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0213	Jeffrey Hollingsworth	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0214	Peter Keleher	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0215	Samir Khuller	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0216	Elaine Shi	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0219	David Mount	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0220	Douglas Oard	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0222	Donald Perlis	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0223	Adam Porter	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0224	William Pugh	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0225	James Purtilo	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0226	James Reggia	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0227	Nicholas Roussopoulos	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0229	Hanan Samet	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0230	A.U. Shankar	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0231	Ben Shneiderman	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0233	Gilbert Stewart	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0234	Venkatramanan Subrahmanian	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0235	Chau-Wen Tseng	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0240	Ben Bederson	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0241	Amy Weinberg	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0242	Samrat Bhattacharjee	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0244	Amitabh Varshney	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0245	William Arbaugh	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0247	Ramalingam Chellappa	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0248	Aravind Srinivasan	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0249	Alan Sussman	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0250	Atif Memon	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0255	Michael Cummings	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0256	Lise Getoor	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0258	Allison Druin	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0259	Francois Guimbretiere	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0260	David Jacobs	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0261	Louiqa Raschid	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0262	Michel Cukier	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0263	Michael Hicks	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0264	Jonathan Katz	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0265	Philip Resnik	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0266	Leila DeFloriani	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0267	Amol Deshpande	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0268	Ramani Duraiswami	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0269	Steven Salzberg	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0270	Neil Spring	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0271	Uzi Vishkin	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	



0275	Mihai Pop	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0276	Jon Froehlich	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0278	John Horty	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0279	Michelle Hugue	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0280	Dianne O'Leary	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0284	Walter Cleaveland	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0285	Jimmy Lin	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0286	Vibha Sazawal	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0287	Jordan Boyd-Graber	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0290	Michelle Mazurek	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0291	Andrew Childs	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0292	Niklas Elmqvist	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0293	Leah Findlater	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**CMSC798A Graduate Seminar in Computer Science**  
 (Perm req) Credits: 1 Grading Method: Regular, Audit  
**Contact department for information to register for this course.**

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**CMSC799 Master's Thesis Research**  
 Credits: 1-6 Grading Method: Regular  
**Contact department for information to register for this course.**

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**CMSC898 Pre-Candidacy Research**  
 (Perm req) Credits: 1-8 Grading Method: Regular, Sat-Fail  
*Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students. May be repeated for credit.*  
**Contact department for information to register for this course.**

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**CMSC899 Doctoral Dissertation Research**  
 Credits: 1-8 Grading Method: Regular  
**Contact department for information to register for this course.**

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## **COMM Communication Summer 2017**

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**COMM107 Oral Communication: Principles and Practices**  
 Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSOC

*Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.*

*A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.*

0101	Nathaniel Stoltz <b>Meets May 30, 2017 - July 7, 2017</b> TuTh 6:30pm - 9:50pm	Seats (Total: 19)  PLS 1180
0103	Kyle Stephan <b>Meets May 30, 2017 - July 7, 2017</b> MW 9:00am - 12:25pm	Seats (Total: 19)  PLS 1113
0201	Yiwen Dai <b>Meets July 10, 2017 - August 18, 2017</b> MW 6:30pm - 9:50pm	Seats (Total: 19)  SKN 0104

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**COMM200      Critical Thinking and Speaking**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HO      General Education: FSOC

*Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285.*

*Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.*

WB11	Janna Soeder <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB21	Devin Scott <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE

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**COMM201      Introduction to Public Relations**

Credits: 3      Grading Method: Regular

*Basic concepts and principles of public relations. Roles in organizations and society; history; skills and practices of public relations; theories and models of effective and ethical public relations.*

0201	Sahar Khamis	Seats (Total: 28)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 1:00pm - 4:20pm	SKN 1112

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**COMM250 Introduction to Communication Inquiry**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.*

WB11	Susan Hubbard	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**COMM288 Communication Internship**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.*

I101	Julie Gowin	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
I102	Julie Gowin	Seats (Total: 75)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
I201	Julie Gowin	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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**COMM324 Communication and Gender**

Credits: 3                      Grading Method: Regular,                      , D                      General Education: DSHU,  
Pass-Fail, Audit                      DVUP

*The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.*

WB21	Lauren Bender	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**COMM332 News Editing for Public Relations**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in COMM331; or students who have taken courses with comparable content may contact the department. And permission of ARHU-Communication department.*

*Restriction: Must be in Communication program. Credit only granted for: JOUR202, COMM232, or COMM332. Formerly: COMM232.*

*Copy editing, graphic principles and processes, news and information technologies for public relations.*

0201	Pamela Grant	Seats (Total: 18)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 9:00am - 12:20pm	SKN 1115

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**COMM369B Special Topics in Study Abroad III; British Documentary Tradition**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**COMM369D Special Topics in Study Abroad III; Digital Media in London**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**COMM369O Special Topics in Study Abroad III; Organizational Communication in Italy**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

Contact department for information to register for this course.

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**COMM371      Communication and Digital Media**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V. Formerly: COMM398V.*

*A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.*

WB21	Annie Nichols	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**COMM386      Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail                                      General Education: DSSP

*Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.*

*Supervised internship experience with communication professionals. Relation of academic training to professional experience.*

01Z1	Lindsy Baltz	Seats (Total: 10)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
I101	Julie Gowin	Seats (Total: 75)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
I102	Julie Gowin	Seats (Total: 75)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
I202	Julie Gowin	Seats (Total: 75)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

SG01	Lindsi Baltz	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
SG02	Lindsi Baltz	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**COMM388**
**Communication Practicum**

(Perm req)

 Credits: 1-3      Grading Method: Regular,  
Pass-Fail

*Supervised professional-level practice in communication.*
**Contact department for information to register for this course.**


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**COMM388W**
**Communication Practicum; Professional Communication and Writing**

 Credits: 1      Grading Method: Regular,  
Pass-Fail

*Supervised professional-level practice in communication.*

This course is designed to strengthen writing skills targeting professional communicators.

WB11	Mollie Kaufer	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**COMM398A**
**Selected Topics in Communication; Humor and Politics**

Credits: 3      Grading Method: Regular

*Topical study of contemporary issues in communication.*

This course explores humorous critiques of politics across television, film, and the Internet. During this course, students will read scholarship focused on political satire and analyze mediated examples of historical and contemporary political humor.

0101	Kimberley Hannah-Prater	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 6:30pm - 9:55pm		KEY 0126

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**COMM398B**
**Selected Topics in Communication; Communication, Culture, and Sport**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

This course examines the interplay between sport(s) and political culture from the perspective of communication. Students will explore the connections between sport and social practices and the implications connections have on individual, organizational, regional, and national identities. Students will apply theories of interpersonal, intergroup, mediated, and rhetorical communication to various historical and contemporary case studies to illustrate these connections.

WB21	Rebecca Alt	Seats (Total: 35)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**COMM398V      Selected Topics in Communication; Intro to Translation and Localization**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

This course will discuss fundamentals of modern translation and localization. It will provide an introduction of core concepts needed to localize content and software in various languages and locales. Modern translation technology, hands-on localization business logics, and relevant cultural knowledge will help learn how to adapt content and software to international markets and prepare new products for international release.

WB21	Peng Wang	Seats (Total: 35)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**COMM398W      Selected Topics in Communication; Web Design**

Credits: 3                      Grading Method: Regular

*Topical study of contemporary issues in communication.*

02Z1	Robert Coleman	Seats (Total: 23)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MW 1:00pm - 4:20pm		BLD3 3216
<i>This section meets at the Shady Grove campus.</i>		

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**COMM399      Honors Thesis**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**



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**COMM400      Research Methods in Communication**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program.*

*Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis).*

0201	Irina Iles	Seats (Total: 35)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 1:00pm - 4:20pm	TYD 1114

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**COMM401      Interpreting Strategic Discourse**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM250. Restriction: Must be in Communication program.*

*Principles and approaches for practical analysis of discourse designed to shape audience opinion.*

WB11	Jon Hoffman	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE

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**COMM402      Communication Theory and Process**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: COMM250. Restriction: Must be in Communication program.*

*Philosophical and conceptual analysis of communication theories.*

0101	Hsin-Yi Chien	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	TuTh 9:00am - 12:25pm	TYD 0111

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**COMM425      Negotiation and Conflict Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Role of communication in shaping negotiation and conflict processes and outcomes.*

0101	Lauren Edelstein	Seats (Total: 45)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 1:00pm - 4:20pm	TYD 1132

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**COMM470      Listening**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The principles of listening behavior.*

0101	Andrew Wolvin	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 9:00am - 12:20pm	SKN 0104

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**COMM482      Intercultural Communication**

Credits: 3                      Grading Method: Regular,                      , D  
Pass-Fail, Audit

*The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.*

**Contact department for information to register for this course.**

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**COMM488I      Communication Portfolio Project; Strategic Interviewing for the Career You Want**

Credits: 1                      Grading Method: Regular

*Preparation of the professional communication portfolio.*

This course introduces students to advanced techniques in interviewing for job opportunities and career progression. This online course focuses on the dynamics of the interview process, the communication theories and best practices behind influence and persuasion, and the communication aptitudes and skills that distinguish top candidates.

WB11	Luke Capizzo	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**COMM489      Topical Research; Topical Research**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Individualized research projects conducted with a faculty sponsor.*

**Contact department for information to register for this course.**

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**COMM498D Seminar; Nonprofit Public Relations, Activism, and Issues Management**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

The course will mainly focus on perspectives and theories that help to understand public relations in the cultural, societal, and activist context. Topics of the course include civil society, public sphere, activist public relations strategies, and issues management. The course will also touch on the application of some social and cultural theories to public relations practice.

WB21	Sifan Xu	Seats (Total: 35)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**COMM498L Seminar; Introduction to Screenwriting for Television and Film**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

WB11	Adam Nixon	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**COMM498P Seminar; Producing Digital Media from Funding to Finish**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Present-day communication research.*

WB11	Adam Nixon	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**COMM798 Independent Study**

(Perm req)                      Credits: 1-3                      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

**Contact department for information to register for this course.**

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**COMM798F Independent Study; English Fluency**

Credits: 1-3      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

0101	Shawn Parry-Giles, Mollie Kaufer	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**COMM798G Independent Study; Editing in English Writing**

Credits: 1-3      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

0101	Mollie Kaufer, Shawn Parry-Giles	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**COMM798I Independent Study; Spanish as a B Language**

Credits: 1-3      Grading Method: Regular,  
Audit

*An individual course designed for intensive study or research of problems in communication.*

0201	Esperanza Pombo Lopez-Barron	Seats (Total: 4)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**COMM799 Master's Thesis Research**

(Perm req)      Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**COMM898 Pre-Candidacy Research**

(Perm req)      Credits: 1-8      Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

COMM899

**Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

**CONS**

## **Sustainable Development & Conservation Biology**

**Summer 2017**

CONS609I

**Special Topics in Conservation Biology**

Credits: 1      Grading Method: Regular, Sat-Fail

*Lectures, experimental courses and other special instructions in various subjects in conservation biology.*

0101	Karen Lips	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I101	Karen Lips	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

CONS798

**Research Papers in Sustainable Development and Conservation Biology**

Credits: 1-4      Grading Method: Regular, Sat-Fail

*Work on the required scholarly paper.*

Contact department for information to register for this course.

**CPSP**

## **College Park Scholars Program**

**Summer 2017**

CPSP239J

**Practicum: Internship**

Credits: 1-3      Grading Method: Regular

*Supervised internship in interest area related to the theme of the students' College Park Scholars program.*

I101	Kalyani Chadha	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

I201	Kalyani Chadha	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**CPSP239P      Practicum: Internship**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Supervised internship in interest area related to the theme of the students' College Park Scholars program.*

I101	Jennifer Littlefield	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Jennifer Littlefield	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**CPSP379K      Advanced Practicum: Study Abroad; London: Cultural Capital**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced, supervised study-abroad experience.*

**Contact department for information to register for this course.**

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**DANC      Dance      Summer 2017**

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**DANC386      Experiential Learning**

(Perm req)      Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher; and permission of ARHU-School of Theatre, Dance & Performance Studies department.*

0101	Alvin Mayes	Seats (Total: 1)
<b>Meets May 30, 2017 - August 20, 2017</b>		
Contact instructor or department for details.		

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**DANC689I      Special Topics in Dance**

Credits: 1-6      Grading Method: Regular, Audit

*Special Topics in dance theory, research or creative projects.*

IH61	Alvin Mayes	Seats (Total: 15)
<b>Meets June 15, 2017 - June 22, 2017</b>		
Contact instructor or department for details.		
<i>MCERT, Masters Certification Program, registration restricted to progra participants.</i>		

**ECON Economics Summer 2017**

**ECON111      Thinking Like an Economist**

Credits: 3      Grading Method: Regular      General Education: DSHS, SCIS

*Restriction: Sophomore standing or lower; or permission of BSOS-Economics department.*

*An introduction to the modes of thought of economics. Use of simple standard tools of economics to analyze important problems that arise frequently in public policy, the news media, and in daily life. An emphasis on how economists predict what choices societies make and how economists analyze whether those are good choices. Practical application of a variety of economic tools leading to a focus on the essential unity underlying these analytical tools, viewing economics as a discipline that applies a core methodology in different ways in different situations.*

YS41	Brian Witzen	Seats (Total: 18)
<b>Meets July 10, 2017 - July 28, 2017</b>		
MTuWThF 9:30am - 12:30pm		TYD 2111
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

**ECON200      Principles of Microeconomics**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Credit only granted for: ECON200, AREC240, or AREC250. Additional information: It is recommended that students complete ECON200 before taking ECON201.*

*Introduces economic models used to analyze economic behavior by individuals and firms and consequent market outcomes. Applies conceptual analysis to several policy issues and surveys a variety of specific topics within the broad scope of microeconomics.*

WB11	Ibraheem Catovic	Seats (Total: 65)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
WB21	Gentry Johnson	Seats (Total: 60)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## ECON201 Principles of Macroeconomics

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS

*Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher.*

*Recommended: ECON200. Credit only granted for: ECON201 or ECON205.*

*An introduction to how market economies behave at the aggregate level. The determination of national income/output and the problems of unemployment inflation, will be examined, along with monetary and fiscal policy.*

WB11	Xing Hong	Seats (Total: 60)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
WB21	Svetlana Pivovarovva	Seats (Total: 60)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## ECON230 Applied Economic Statistics

Credits: 3      Grading Method: Regular

*Prerequisite: Must have math eligibility of MATH113 or higher; or 1 course with a minimum grade of C- from (MATH107, MATH110). And minimum grade of C- in ECON200 and ECON201. Recommended: Students should already have basic familiarity with Microsoft Excel or similar spreadsheet software.*

*Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*



*Introductory course to develop understanding of statistical concepts used in applied economics. Students will acquire skills needed to calculate and interpret statistical concepts, including descriptive statistics, probability, discrete and continuous distributions, sampling, point and interval estimations, hypothesis testing, basic analysis of variance, and simple linear regression models. Students will apply these concepts to data using both handheld calculators and spreadsheets(Excel), and students will be introduced to an econometric software package such as SPSS or SAS or R.*

WB11	Terry Pack <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 60)  ONLINE
WB21	Jiankun Chen <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 60)  ONLINE

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### **ECON305 Intermediate Macroeconomic Theory and Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Minimum grade of C- in ECON201 and ECON200. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON305 or ECON325.*

*Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.*

0101	Veronika Penciakova <b>Meets May 30, 2017 - July 7, 2017</b> MW 6:00pm - 9:25pm	Seats (Total: 40)  TYD 2108
0201	Can Sever <b>Meets July 10, 2017 - August 18, 2017</b> TuTh 6:00pm - 9:10pm	Seats (Total: 40)  TYD 0101

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### **ECON306 Intermediate Microeconomic Theory & Policy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: 1 course with a minimum grade of C- from (ECON200, AREC250); and minimum grade of C- in ECON201. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON306, ECON326, AREC489M, or AREC326.*

*Analysis of the theories of consumer behavior, producer behavior, different market structures, and various sources of inefficient outcomes. Analysis of microeconomic policies designed to improve market outcomes.*

0101	Prateik Dalmia	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 6:00pm - 9:25pm	TYD 2108
0201	Haomin Yan	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 6:00pm - 9:10pm	TYD 0101

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### **ECON315      Economic Development of Underdeveloped Areas**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON315 or ECON416.*

*Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.*

0201	Fernando Saltiel	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 1:00pm - 4:10pm	TYD 1132

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### **ECON317      Global Economic Policies**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Restriction: Must be in Economics Bachelor of Arts program.*

*Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.*

0101	Emekcan Yucel	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 6:00pm - 9:25pm	TYD 1132

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**ECON325 Intermediate Macroeconomic Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200, ECON201, and MATH141. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON305 or ECON325.*

*Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.*

0101	Can Sever	Seats (Total: 40)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MW 6:00pm - 9:25pm	TYD 1101

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**ECON326 Intermediate Microeconomic Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200, ECON201, and MATH141. Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON306, ECON326, AREC326, or AREC489M.*

*Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.*

0201	Camila Galindo Pardo	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 6:00pm - 9:10pm	TYD 1114

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**ECON330 Money and Banking**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201.*

*The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.*

0201	Ran Li	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
TuTh 6:00pm - 9:10pm		TYD 1132

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### ECON340 International Economics

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON340 or ECON441.*

*Introduces economic models of international trade and finance. Analyzes policies designed to promote and restrict international trade and to manage exchange rates and impact international capital flows.*

WB11	Stefania Scandizzo	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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### ECON386 Experiential Learning

(Perm req) Credits: 3                      Grading Method: Sat-Fail

*Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within the BSOS-Economics department; and minimum cumulative GPA of 2.5; and junior standing or higher.*

*See Department Advising Office for course eligibility, course requirements, and application information.*

**Contact department for information to register for this course.**

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### ECON399 Independent Study in Economics

(Perm req) Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Integrated readings and independent study under direction and supervision of a faculty member. Contact department for additional information.*

*Prerequisite: six hours of upper division economics courses.*

**Contact department for information to register for this course.**

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### ECON401 Current Issues in American Economic Policy

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Recommended: Prior experience with Microsoft Excel or similar spreadsheet software. Restriction: Must be in Economics Bachelor of Arts program.*

*Analysis of current economic problems and public policies. Topics include increasing competitiveness, mitigating poverty, addressing harmful effects of income inequality, promoting environmental sustainability, and facilitating economic stability and growth.*

0201	Thomas Hegland	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 6:00pm - 9:10pm	TYD 1118

## ECON414      **Game Theory**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321, STAT400). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science). Credit only granted for: CMSC474, ECON414, GVPT399A or GVPT390.*

*Studies the competitive and cooperative behavior that results when several parties find that their individual outcomes are jointly determined. Students will learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.*

0101	Gustavo Saraiva	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 6:00pm - 9:25pm	TYD 1102
0201	Gustavo Saraiva	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 6:00pm - 9:10pm	TYD 1118

## ECON422      **Econometrics I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON422, ECON424, AREC422, or AREC489F.*

*Emphasizes the interaction between economic problems and the assumption employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.*

0201	Shunjie Tu	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 6:00pm - 9:10pm	TYD 2109

## **ECON423 Econometrics II**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON422. Restriction: Must be in Economics Bachelor of Science program.*

*Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.*

0101	Fo Aflagah	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 1:00pm - 4:25pm	TYD 2111

## **ECON424 Applied Econometrics**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON306, ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: ECON422 or ECON424.*

*Provide the knowledge and skills necessary to accomplish and utilize basic applied econometric analysis utilized by many business service providers, government agencies, and nonprofits engaged in policy analysis. Topics include simple and multiple regressions using cross section, time series, and panel data, issues of heteroskedasticity, serial correlation, and multicollinearity, models with binary dependent variable, and program evaluation. Course emphasizes application of knowledge using software packages but still covers essential theoretical background.*

0101	Yongjoon Park	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 1:00pm - 4:25pm	TYD 2102

0201	Matthew Staiger	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 6:00pm - 9:10pm	TYD 2102

#### ECON435 Financial Markets and the Macroeconomy

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON325); and 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435.*

*The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.*

0101	Mateo Uribe-Castro	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 1:00pm - 4:25pm	TYD 1114

#### ECON454 Public Finance and Public Policy

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in Economics Bachelor of Science program.*

*The role of the the public sector in a market economy constitutes the over-arching topic of this course. Emphasis lies on analyzing government expenditure programs and the microeconomics of tax policy.*

0101	Kenneth Coriale	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 6:00pm - 9:25pm	TYD 2109

#### ECON463 Economics of Sports

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321, STAT400). Restriction: Must be in Economics Bachelor of Arts program.*

*The application of theoretical and empirical economic tools to the sports industry, including competition at professional, collegiate, and international levels. Microeconomic models from labor, industrial organization and public finance will be applied to the sports industry and combined with data from sports markets, providing students with opportunities to produce and interpret economic analysis. The topic of discrimination will also be explored in the context of this particular economic activity.*

WB11	Nicholas Montgomery <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 35)  ONLINE
WB21	Nicholas Montgomery <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 25)  ONLINE

## ECON642 Topics in Applied Macroeconomics

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.*

*Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.*

PR01	Aditya Aladangady <b>Meets May 30, 2017 - August 18, 2017</b> Th 6:45pm - 9:30pm Class time/details on ELMs	Seats (Total: 23)  Location: TBA ONLINE      Discussion
<i>Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.</i>		

## ECON644 Empirical Analysis II: Introduction to Economic Models

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ECON643.*



*An introduction to econometric methods with applications to public policy analysis. Primary focus on application and interpretation of multiple regression analysis.*

PR01	Maksim Belenkiy	Seats (Total: 24)
<b>Meets May 30, 2017 - August 18, 2017</b>		
W 6:45pm - 9:30pm		Location: TBA
Class time/details on ELMs		ONLINE                      Discussion
<i>Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.</i>		

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## **ECON671                      Economics of Health Care**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. Credit only granted for: ECON671 or ECON565. Formerly: ECON565.*

*An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections.*

PR01	Patrick Richard	Seats (Total: 23)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Tu 6:45pm - 9:30pm		Location: TBA
Class time/details on ELMs		ONLINE                      Discussion
<i>Restricted to students in the MPS in Applied Economics-WDC. This course meets at 1400 16th St, NW, Suite 140, Washington, DC.</i>		

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## **ECON672                      Program Analysis and Evaluation**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: ECON641 and ECON645.*

*Students study the tools used to evaluate the effectiveness of public policies. All evaluations have weaknesses, and some have more weaknesses than others. You will learn how to distinguish high from low quality evaluations. We will discuss the basic economics and econometrics of program evaluation, focusing on the application of methods used for causal inference and cost-benefit analyses in public policy contexts. We will examine published evaluation research with the intent of showing how the research does or does not lead to clear conclusions regarding program performance.*

PR01	Joanne Hsu	Seats (Total: 24)
<b>Meets May 30, 2017 - August 18, 2017</b>		
M 6:45pm - 9:30pm		Location: TBA
Class time/details on ELMs		ONLINE Discussion
<i>Class meets at 1400 16th Street NW, Washington DC. Restricted to students in Professional Economics Program.</i>		

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## ECON684 Applied Time Series Analysis and Forecasting

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ECON642; and ECON645. Restriction: Must be in M.Prof.Studies: Applied Economics program.*

*This course builds on the brief introduction to time series econometrics offered in ECON 645. Students will learn the theory of stationary processes and how it applies to econometric techniques for estimation and forecasting based on time series data. The techniques will be applied in macroeconomic, financial and business applications.*

PR01	Thiago Teixeira Ferreira	Seats (Total: 23)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Th 6:45pm - 9:30pm		Location: TBA
Class time/details on ELMs		ONLINE Discussion
<i>Class meets at 1400 16th Street NW, Washington DC. Restricted to students in Professional Economics Program.</i>		

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## ECON698 Selected Topics in Economics

Credits: 3      Grading Method: Regular,  
Audit

0142	John Shea	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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## ECON799 Master's Thesis Research

Credits: 1-6      Grading Method: Regular  
**Contact department for information to register for this course.**

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## ECON898 Pre-Candidacy Research

(Perm req)

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**ECON899**

**Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCI**

**Curriculum and Instruction**

**Summer 2017**

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**EDCI405**

**Art Education Methods I**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Must be in Secondary Educ: Art program; or must be in Secondary Educ: Art pre-major program. And minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI300 or EDCI405. Formerly: EDCI300.*

*Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.*

**Contact department for information to register for this course.**

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**EDCI410**

**Methods I: K-12 World Language Methods and Technology**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI330 or EDCI410. Formerly: EDCI330.*

*The first of two sequential courses required for achieving competence in teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories. Lab and field experiences required.*

**Contact department for information to register for this course.**

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**EDCI411**

**Knowledge, Reasoning, and Learning in Science**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI370 or EDCI411. Formerly: EDCI370.*

*For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.*

Department permission required. EDCI MCERT Outreach Offering.

**Contact department for information to register for this course.**

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**EDCI416 Teaching and Learning in Secondary Education: English**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Credit only granted for: EDCI340 or EDCI416. Formerly: EDCI340.*

*An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience.*

**Contact department for information to register for this course.**

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**EDCI426 Knowledge, Reasoning, and Learning in Secondary Social Studies**

Credits: 3                      Grading Method: Regular

*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75.*

*An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students' conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.*

Department permission required. EDCI MCERT Outreach Offering.

**Contact department for information to register for this course.**

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**EDCI432 Issues in the Education of English Language Learners**

Credits: 3                      Grading Method: Regular

*Credit only granted for: EDCI432 or EDCI488Q. Formerly: EDCI488Q.*

*Introduction to and analysis of current and historical research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 and other settings.*

WB11	Jeff MacSwan	Seats (Total: 15)
<b>Meets May 30, 2017 - June 27, 2017</b>		
Class time/details on ELMs		ONLINE

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**EDCI436      Understanding Cross-Cultural Communication for Teaching English Language Learners**

Credits: 3      Grading Method: Regular,      General Education: DVCC  
                          Pass-Fail, Audit

*Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T.*

*Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.*

WB21	Kellie Rolstad	Seats (Total: 15)
<b>Meets July 10, 2017 - August 4, 2017</b>		
Class time/details on ELMs		ONLINE

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**EDCI443      Literature for Children and Youth**

Credits: 3      Grading Method: Regular,  
                          Audit

*Restriction: Must be in Elementary Education program; or must be a Pre-Education Major.*

*Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.*

**Contact department for information to register for this course.**

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**EDCI457      Teaching and Learning Middle School Mathematics**

Credits: 3      Grading Method: Regular,      General Education: DSSP  
                          Pass-Fail, Audit

*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics. Lab and field experience required. Supervised tutoring takes place on site at a local middle school therefore EDCI 457 students will be expected to travel to a local middle school for 8-10 of the class meetings.*

**Contact department for information to register for this course.**

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**EDCI488K      Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**EDCI488O      Selected Topics in Teacher Education; Ethiopian Immigrants in Israel: Children, Families, and Education**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**EDCI498      Special Problems in Teacher Education**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Individual study of approved problems.*

**Contact department for information to register for this course.**

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**EDCI614      Developing a Professional Portfolio**

Credits: 3                      Grading Method: Regular

*Students will examine issues of performance assessment and develop professional portfolios following the guidelines established by the National Board of Professional Teaching Standards. Drawing on the research data collected throughout their program and relying on inquiry, reflections, and analysis, they will synthesize and present the body of their teaching experience.*

0101	Maria Hyler	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	TuTh 5:00pm - 8:10pm	EDU 1107

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**EDCI619      Developing a Professional Portfolio**

Credits: 1                      Grading Method: Regular,  
Audit

*Students will examine issues of performance assessment and develop professional portfolios following the guidelines established by the National Board for Professional Teaching Standards. Drawing on the research data collected throughout their program and relying on inquiry, reflections, and analysis, they will synthesize and present the body of their teaching experience.*

**Contact department for information to register for this course.**

## EDCI626

Credits: 3

*Restriction: For Master's Certification Students only; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI 626 or EDCI 765. Formerly: EDCI 765.*

*Addresses the ways in which social, cultural, cognitive and motivation factors influence the development of literacy. Focus is on reading acquisition and its underlying processes. Topics include language development in relation to reading development; the biological basis of this development; concepts in emergent literacy; models of reading acquisition and skilled reading; the effects of phonemic awareness and phonics on developing readers; factors in early childhood environments and in beginning literacy instruction that impact language and literacy achievement.*

**Contact department for information to register for this course.**

## EDCI630

Credits: 3

*Knowledge of history, research, current practice and public policy issues in the field of second language education from kindergarten to post-secondary settings. Required for TESOL certification program.*

WB11	Jeff MacSwan <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 5)  ONLINE
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## EDCI633

Credits: 3

*Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.*

**Contact department for information to register for this course.**

## EDCI634

Credits: 3

*This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.*

**Contact department for information to register for this course.**

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**EDCI643**

**Teaching Language Arts in Elementary Schools**

Credits: 3

Grading Method: Regular,  
Audit

*Analysis of current issues, trends, and problems in language-arts instruction.*

**Contact department for information to register for this course.**

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**EDCI653**

**Problem-Solving and Innovative Thinking in the Mathematics Classroom**

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Experience teaching mathematics K-12. And EDCI352; or EDCI457; or students who have taken courses with comparable content may contact the department.*

*Curriculum and instruction for developing thinking skills through the discipline of mathematics. This is a hybrid course designed to blend on-campus class meetings with online experiences.*

**Contact department for information to register for this course.**

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**EDCI661**

**Content Area Reading**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department.*

*Research-based strategies for improving reading to learn in the content areas (K-12).*

**Contact department for information to register for this course.**

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**EDCI662**

**Diagnostic Reading Assessment and Instruction**

Credits: 3

Grading Method: Regular

*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*Survey course in diagnostic reading assessment and instruction for graduate students not majoring in reading.*

**Contact department for information to register for this course.**

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**EDCI685**

**Research Methods**

Credits: 3

Grading Method: Regular,  
Audit

*The interpretation and conduct of research in curriculum and instruction.*



0101	Wayne Slater	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	TuTh 4:30pm - 7:45pm	EDU 2101

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**EDCI688D      Special Topics in Curriculum and Instruction; Summer School in Dublin**

Credits: 1                      Grading Method: Regular,  
   Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

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**EDCI688F      Special Topics in Curriculum and Instruction; Foundations of Literacy and Biliteracy Development**

Credits: 3                      Grading Method: Regular,  
   Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

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**EDCI688I      Special Topics in Curriculum and Instruction; Arts Integration**

Credits: 3                      Grading Method: Regular,  
   Audit

*Current topics and issues in teaching.*

This course requires on campus attendance. For more information please contact the Department.

HY61	Margaret Walker	Seats (Total: 15)
<b>Meets July 31, 2017 - August 18, 2017</b>		
	MTuWTh 8:30am - 5:00pm	ASY 3217
	Class time/details on ELMs	ONLINE

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**EDCI688K      Special Topics in Curriculum and Instruction; World Language Methods and Technology**

Credits: 3                      Grading Method: Regular,  
   Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

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**EDCI688L      Special Topics in Curriculum and Instruction; International Perspectives on Drama in Education**

Credits: 3      Grading Method: Regular, Audit

*Current topics and issues in teaching.*

**Contact department for information to register for this course.**

## EDCI689 Teaching Internship

(Perm req)

Credits: 1-9      Grading Method: Regular, Audit

*Internship experiences in elementary or secondary teaching with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to graduate teacher education program option.*

**Contact department for information to register for this course.**

## EDCI690 Teaching as a Profession

Credits: 3      Grading Method: Regular, Audit

*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*The profession of teaching and the knowledge base that defines teaching. Current and social issues that affect teaching and learning; role of research and experience in learning to teach.*

**Contact department for information to register for this course.**

## EDCI697 Embracing Diversity in Classroom Communities

Credits: 3      Grading Method: Regular

*The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.*

World Languages PBC Outreach Program. Registration restricted to program participants.

**Contact department for information to register for this course.**

## EDCI698 Conducting Research on Teaching

Credits: 1-3      Grading Method: Regular

*Application of the knowledge base on effective teaching to the analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project.*

**Contact department for information to register for this course.**

**EDCI732****Second Language Acquisition**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.*

*Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).*

**Contact department for information to register for this course.**

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**EDCI761****Advanced Clinical Practices in Reading Assessment**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDCI665. Corequisite: EDCI762.*

*Clinical practicum in assessment focusing on strengths and needs in reading. Case report writing and conferences.*

Location: Off campus. Local school. Departmental permission required.

I101	Ayanna Baccus	Seats (Total: 20)
<b>Meets July 4, 2017 - August 2, 2017</b>		
	MTuWTh 8:00am - 12:00pm	Location: TBA

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**EDCI762****Advanced Clinical Practices in Reading Instruction**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDCI665. Corequisite: EDCI761.*

*Clinical practicum in instruction focusing on instructional techniques and diagnostic teaching.*

Location: Off campus. Local school. Departmental permission required.

I101	Ayanna Baccus	Seats (Total: 20)
<b>Meets July 4, 2017 - August 2, 2017</b>		
	MTuWTh 12:00pm - 4:00pm	Location: TBA

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**EDCI764****Writing Across the Curriculum**

Credits: 3                      Grading Method: Regular



*Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.*

**Contact department for information to register for this course.**

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**EDCI799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCI888      Apprenticeship in Education**

Credits: 1-8      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

**Contact department for information to register for this course.**

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**EDCI889      Internship in Education**

Credits: 3-8      Grading Method: Regular,  
Audit

*Internship experiences with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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**EDCI898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**EDCI899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDCP      Education Counseling and  
Personnel Services**

**Summer 2017**

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**EDCP108E      College and Career Advancement: Concepts and Skills**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Knowledge and skills designed to enhance college as a learning experience or preparation for life.*

Restricted to Academic Achievement Program Students.

CP02	Tilahun Beyene	Seats (Total: 130)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**EDCP298Z Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Individual instruction in special problems related to counseling, student leadership, and college student development.*

**Contact department for information to register for this course.**

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**EDCP386 Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and sophomore standing or higher.*

**Contact department for information to register for this course.**

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**EDCP498 Special Problems in Counseling and Personnel Services**

Credits: 1-3                      Grading Method: Regular

*Available only to major students who have formal plans for individual study of approved problems.*

**Contact department for information to register for this course.**

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**EDCP611 Career Development Theory and Programs**

Credits: 3                      Grading Method: Regular,  
Audit

*Research and theory related to career and educational decisions; programs of related information and other activities in career decision.*

HY41	Julia Bryan	Seats (Total: 20)
<b>Meets July 10, 2017 - July 28, 2017</b>		
MTuWTh 2:00pm - 8:10pm		EDU 3236
Class time/details on ELMs		ONLINE                      Discussion
<i>Students will meet for lecture from July 10th through July 20th. For the remainder of the course, students will work outside of class on their project.</i>		

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**EDCP635****School Consultation I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in the School Counseling program; or must be in the School Psychology program; or permission of instructor.*

*Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.*

0101	Jill Jacobson	Seats (Total: 20)
<b>Meets May 30, 2017 - June 29, 2017</b>		
	MW 11:00am - 3:15pm	ASY 3219

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**EDCP668A****Special Topics in Rehabilitation; Job Development and Placement**

Credits: 3                      Grading Method: Regular,  
   Audit

**Contact department for information to register for this course.**

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**EDCP789****Advanced Topics in Counseling and Personnel Services**

Credits: 1-6                      Grading Method: Regular,  
   Audit

0124	Hedwig Teglassi	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0224	Hedwig Teglassi	Seats (Total: 4)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
I102	Matthew Miller	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**EDCP789F****Advanced Topics in Counseling and Personnel Services; History of Psychological Science**

Credits: 3                      Grading Method: Regular,  
   Audit

0101	Matthew Miller	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 10:00am - 1:30pm	EDU 2102	

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**EDCP789R      Advanced Topics in Counseling and Personnel Services; College Teaching Seminar**

Credits: 1-3      Grading Method: Regular

0101	Yun Lu	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
TuTh 1:00pm - 4:00pm	EDU 3233	

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**EDCP798      Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

*Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.*

**Contact department for information to register for this course.**

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**EDCP799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

*Registration required to the extent of six hours for Master's thesis.*

**Contact department for information to register for this course.**

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**EDCP888      Apprenticeship in Counseling and Personnel Services**

Credits: 1-8      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

**Contact department for information to register for this course.**

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**EDCP888A      Apprenticeship in Counseling and Personnel Services; College Student Personnel**

Credits: 3      Grading Method: Regular,  
Audit



*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

Restricted to CSP students.

0101	John Zacker, Marsha Guenzler-Stevens <b>Meets May 30, 2017 - August 14, 2017</b> W 12:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12)  Location: TBA
0401	John Zacker, Marsha Guenzler-Stevens <b>Meets July 10, 2017 - July 28, 2017</b> Contact instructor or department for details.	Seats (Total: 15)

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### **EDCP889 Internship in Counseling and Personnel Services**

Credits: 1-8      Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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### **EDCP898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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### **EDCP899 Doctoral Dissertation Research**

(Perm req) Credits: 1-6      Grading Method: Regular

*Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.*

**Contact department for information to register for this course.**

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## **EDHD      Education, Human Development      Summer 2017**

### **EDHD320 Human Development Through the Life Span**

Credits: 3      Grading Method: Regular,  
Audit

General Education: DSHS

*Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.*

WB41	Michael Rizzo	Seats (Total: 25)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	Class time/details on ELMs	ONLINE
WB51	Courtney Hattan	Seats (Total: 25)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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#### **EDHD411      Child Growth and Development**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
    Pass-Fail, Audit

*Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.*

WB61	Jeeyoung Noh	Seats (Total: 25)
	<b>Meets July 31, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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#### **EDHD413      Adolescent Development**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
    Pass-Fail, Audit

*Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.*

**Contact department for information to register for this course.**

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#### **EDHD460      Educational Psychology**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
    Pass-Fail, Audit

*Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.*

*Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.*

0101	Lauren Musu-Gillette	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 4:30pm - 7:45pm	EDU 3315

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**EDHD489      Field Experiences in Education**

(Perm req)

Credits: 1-4      Grading Method: Regular

*Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.*

**Contact department for information to register for this course.**

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**EDHD498      Special Problems in Education**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Available only to students who have definite plans for individual study of approved problems.*

**Contact department for information to register for this course.**

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**EDHD602      Social Bases of Behavior**

Credits: 3      Grading Method: Regular

*The social forces and expectations that influence behavior from infancy through old age and death. The effects of ethnicity, social learning values, attitudes, historical events and mass media on perception and behavior in societal interactions.*

**Contact department for information to register for this course.**

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**EDHD798      Laboratory in Human Development**

Credits: 1-6      Grading Method: Regular,  
Audit

*Independent research supervised by an instructor in a research setting.*

**Contact department for information to register for this course.**

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**EDHD799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

*Registration required to the extent of six hours for master's thesis.*

**Contact department for information to register for this course.**

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**EDHD888      Apprenticeship in Human Development Research**

Credits: 1-8      Grading Method: Regular,  
Audit

*Apprenticeship in Human Development research.*

**Contact department for information to register for this course.**

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**EDHD889      Practicum in Human Development**

Credits: 3-8      Grading Method: Regular,  
Audit

*Field experience in applied human development at a professional level of competence in a particular role with appropriate supervision.*

**Contact department for information to register for this course.**

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**EDHD898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**EDHD899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

*Registration required to 12-18 hours for a Ph.D. dissertation.*

**Contact department for information to register for this course.**

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**EDHI      Education Leadership, Higher Ed      Summer 2017**  
**and International Ed**

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**EDHI338P      Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Germany: Propaganda and Graphic Design**

Credits: 1      Grading Method: Regular,      General Education: DVCC  
Pass-Fail, Audit

*Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.*

**Contact department for information to register for this course.**

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**EDHI488A      Special Topics in Education Policy and Administration; Education for Global Peace**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

WB11	Sachi Edwards	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**EDHI488G      Special Topics in Education Policy and Administration; Promise and Challenges in Girls' Education**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

**Contact department for information to register for this course.**

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**EDHI488N      Special Topics in Education Policy and Administration; Innovation, Inclusion, and Disability Justice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

**Contact department for information to register for this course.**

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**EDHI488T      Special Topics in Education Policy and Administration; Thailand: Leading for LGBTQ and Empowerment**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

SATH	Nic Sakurai	Seats (Total: 1)
<b>Meets June 3, 2017 - June 26, 2017</b>		
Contact instructor or department for details.		

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**EDHI488V      Special Topics in Education Policy and Administration; Contemplative Education**

Credits: 3                      Grading Method: Regular,  
Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

0101	Jing Lin	Seats (Total: 15)
	<b>Meets June 5, 2017 - June 16, 2017</b>	
	MWTh 4:00pm - 9:00pm	EDU 1315
	Contact instructor or department for details.	

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**EDHI489      Field Experiences in Education**

Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.*

**Contact department for information to register for this course.**

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**EDHI672      Modes of Inquiry in Education Research**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI672, EDPL672, or EDPS672. Formerly: EDPL672.*

*Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.*

This course contains a Blackboard/ELMS component.

0401	Steven Klees	Seats (Total: 20)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MWTh 3:00pm - 7:15pm	EDU 3315

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**EDHI679      Master's Seminar**

Credits: 3      Grading Method: Regular,  
Audit

*Directed study for master's degree students writing seminar papers.*

**Contact department for information to register for this course.**

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**EDHI681      Education for Global Peace**

Credits: 3      Grading Method: Regular,  
Audit

*Credit only granted for: EDHI681, EDPL681, or EDPS681. Formerly: EDPL681.*

*This course will examine how education can address the threats of violence and wars. It prepares students to teach about peace, nonviolence, and conflict resolution, and also to analyze and implement changes in school and society to contribute to peace and non-violence.*

WB11	Sachi Edwards	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**EDHI689      Practicum In Educational Administration and Supervision**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*Promotes skill development in managerial, leadership and supervisory areas. Practicum is based on results of diagnostic instruments and an individual professional development plan.*

0235	Alberto Cabrera	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**EDHI747      Advanced Seminar on Instructional Improvement**

Credits: 4      Grading Method: Regular,  
Audit

*Prerequisite: EDHI647. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDHI747, EDPL747, or EDPS747. Formerly: EDPL747.*

*Current issues, trends, and problems in the areas of instructional improvement and the supervisory responsibilities of school-based administrators.*

**Contact department for information to register for this course.**

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**EDHI788      Special Topics in Education Policy and Administration**

Credits: 1-3      Grading Method: Regular,  
Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

**Contact department for information to register for this course.**

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**EDHI788A      Special Topics in Education Policy and Administration; Governance in Higher Education**

Credits: 3      Grading Method: Regular,  
Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

0201	Andrew Lounder	Seats (Total: 20)
<b>Meets July 13, 2017 - August 24, 2017</b>		
	TuTh 6:00pm - 9:15pm	EDU 2101
<i>This course will examine governance as the practice of organizational decision making in postsecondary education. It will prepare students to employ theories of decision making to better understand key challenges in college and university contexts.</i>		

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**EDHI788C**
**Special Topics in Education Policy and Administration; Institutional Research and Planning**

Credits: 3                      Grading Method: Regular,  
    Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

This course introduces students to the practice of Institutional Research (IR) and Planning at colleges and universities and will address such topics as: role and functions in the management of colleges and universities; enrollment planning and management activities; student life, learning and outcomes assessments; and use of institutional-level data to conduct research.

0101	Marvin Titus	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MW 4:00pm - 7:30pm	EDU 3236

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**EDHI788G**
**Special Topics in Education Policy and Administration; Promises and Challenges in Girls' Education**

Credits: 3                      Grading Method: Regular,  
    Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

**Contact department for information to register for this course.**

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**EDHI788N**
**Special Topics in Education Policy and Administration; Innovation, Inclusion, and Disability Justice**

Credits: 3                      Grading Method: Regular,  
    Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

**Contact department for information to register for this course.**

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**EDHI788P**
**Special Topics in Education Policy and Administration; Qualitative Research: Case Study Methods**

Credits: 3                      Grading Method: Regular,  
    Audit



*Special and intensive treatment of current topics and issues in education policy and administration.*

WB21	Sachi Edwards	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**EDHI788V      Special Topics in Education Policy and Administration; Contemplative Education**

Credits: 3      Grading Method: Regular,  
Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

0101	Jing Lin	Seats (Total: 15)
<b>Meets June 5, 2017 - June 16, 2017</b>		
MWTh 4:00pm - 9:00pm		EDU 1315
Contact instructor or department for details.		

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**EDHI789      Doctoral Practicum in Administration and Supervision**

Credits: 1-3      Grading Method: Sat-Fail

*Experiential activities designed to enhance student skills. Based on Individual Professional Development Plan for each student.*

0101	Sharon Fries-Britt	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Sharon Fries-Britt	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**EDHI798      Special Problems in Education**

Credits: 1-6      Grading Method: Regular,  
Audit

*Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.*

**Contact department for information to register for this course.**

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**EDHI888      Apprenticeship in Education**

Credits: 1-8                      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

**Contact department for information to register for this course.**

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**EDHI889                      Internship in Education**

Credits: 3-8                      Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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**EDHI898                      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDHI899                      Doctoral Dissertation Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular, Sat-  
Fail

*Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.*

**Contact department for information to register for this course.**

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<b>EDMS</b>	<b>Measurement, Statistics, and Evaluation</b>	<b>Summer 2017</b>
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**EDMS451                      Introduction to Educational Statistics**

Credits: 3                      Grading Method: Regular,                      General Education: FSAR  
Audit

*Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.*

0201	Yi Feng	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 1:00pm - 4:20pm	EDU 3233
WB11	Tessa Johnson	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 10:00am - 11:40am	ONLINE

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### EDMS645      Quantitative Research Methods I

Credits: 3      Grading Method: Regular,  
Audit

*Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.*

WB11	Gregory Hancock	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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### EDMS798      Special Problems in Education

Credits: 1-6      Grading Method: Regular,  
Audit

*Master's, EDMS majors, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.*

**Contact department for information to register for this course.**

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### EDMS799      Master's Thesis Research

Credits: 1-6      Grading Method: Regular

*Registration required to the extent of 6 credits.*

**Contact department for information to register for this course.**

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### EDMS889      Internship in Measurement and Statistics

(Perm req)

Credits: 3-12      Grading Method: Regular

*Provides internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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**EDMS898****Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**EDMS899****Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular

*Registration required to the extent of 12 credits.***Contact department for information to register for this course.**

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**EDPS****Education Policy Studies****Summer 2017**

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**EDPS301****Foundations of Education**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS

*Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301.**Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.*

0101

Steven Stakland

Seats (Total: 20)

**Meets May 30, 2017 - July 7, 2017**

MW 3:40pm - 7:05pm

EDU 2119

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**EDPS489****Field Experiences in Education**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Pass-Fail, Audit*Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.*

0123

Steven Selden

Seats (Total: 5)

**Meets May 30, 2017 - July 7, 2017**

Contact instructor or department for details.

0216

Francine Hultgren

Seats (Total: 5)

**Meets July 10, 2017 - August 18, 2017**

Contact instructor or department for details.

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**EDPS601 Contemporary Social Issues in Education**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: EDHI601, EDPL601, or EDPS601. Formerly: EDPL601.*

*Theoretical and practical consideration of vital social issues currently affecting education.*

**Contact department for information to register for this course.**

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**EDPS625 Federal Education Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Credit only granted for: EDHI625, EDPL625, or EDPS625. Formerly: EDPL625.*

*Federal involvement in education in the United States from 1780 to the present, emphasizing the effects of legislation, court decisions, agencies, and presidential initiatives on the distribution of education opportunities.*

0101	Campbell Scribner	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 4:00pm - 7:30pm	EDU 2102

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**EDPS679 Master's Seminar**

Credits: 3                      Grading Method: Regular,  
   Audit

*Directed study for master's degree students writing seminar papers.*

0116	Francine Hultgren	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0117	Robert Croninger	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0217	Robert Croninger	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0224	Thomas Davis	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0226	Jennifer Rice	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**EDPS788C      Special Topics in Education Policy and Administration; Culture, Identity and Experience in Education**

Credits: 3                      Grading Method: Regular,  
Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

HY11	Beth Cohen	Seats (Total: 15)
<b>Meets May 30, 2017 - June 22, 2017</b>		
TuTh 4:30pm - 7:30pm		EDU 3233
Class time/details on ELMs		ONLINE

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**EDPS788Q      Special Topics in Education Policy and Administration; Critical Qualitative Research Colloquium**

Credits: 3                      Grading Method: Regular,  
Audit

*Special and intensive treatment of current topics and issues in education policy and administration.*

HY11	Beth Cohen	Seats (Total: 20)
<b>Meets June 26, 2017 - July 12, 2017</b>		
MTuW 4:30pm - 7:00pm		EDU 3233
Class time/details on ELMs		ONLINE

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**EDPS798      Special Problems in Education**

Credits: 1-6                      Grading Method: Regular,  
Audit

*Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.*

**Contact department for information to register for this course.**

---

**EDPS888      Apprenticeship in Education**

Credits: 1-8                      Grading Method: Regular,  
Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.*

**Contact department for information to register for this course.**

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**EDPS889                      Internship in Education**

Credits: 3-8                      Grading Method: Regular,  
Audit

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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**EDPS898                      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**EDPS899                      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular, Sat-  
Fail

*Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.*

**Contact department for information to register for this course.**

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**EDSP                      Education, Special                      Summer 2017**

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**EDSP210                      Introduction to Special Education**

Credits: 3                      Grading Method: Regular,                      General Education: DVUP  
Audit

*Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470.*

*Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.*

0401	Leslie Page-Voth	Seats (Total: 20)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	TuTh 9:00am - 4:50pm	TWS 0236

WB11	Sarah Mallory	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**EDSP220      Disability in Community: Access, Accommodation, and Adaptation**

Credits: 3      Grading Method: Regular      General Education: DSSP, DVCC

*Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.*

EDSP 220 is a fully online course with offline readings, online assignments and quizzes, asynchronous discussions and wiki presentations. In addition to online coursework, the course requires a service-learning (10-40 hours during course time, site negotiated with professor, can include Alternative Breaks- Indianapolis experience).

WB11	Carolyn Fink	Seats (Total: 15)
	<b>Meets May 30, 2017 - July 1, 2017</b>	
	Class time/details on ELMs	ONLINE

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**EDSP289I      Disability: From Stigma and Sideshow to Mainstream and Main Street**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP, SCIS

HY11	Peter Leone	Seats (Total: 25)
	<b>Meets May 30, 2017 - June 30, 2017</b>	
	Th 4:30pm - 7:30pm	TWS 1107
	Class time/details on ELMs	ONLINE      Discussion
<i>This is a hybrid course, it meets face-to-face Th along with 30 hours of online/distance assignments.</i>		

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**EDSP376      Fundamentals of Sign Language**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DVCC

*Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.*



0101	Michael Dunham	Seats (Total: 27)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 4:00pm - 7:15pm	EDU 3315
	Contact instructor or department for details.	

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## EDSP470 Introduction to Special Education

Credits: 3      Grading Method: Regular,      General Education: DVUP  
 Audit

*Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470.*

*Designed to give an understanding of the needs of all types of exceptional children.*

Open to all students except undergraduate special education majors.

0401	Leslie Page-Voth	Seats (Total: 20)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	TuTh 9:00am - 4:50pm	TWS 0236
WB11	Sarah Mallory	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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## EDSP476 Communicating with Sign Language

Credits: 3      Grading Method: Regular,  
 Pass-Fail, Audit

*Prerequisite: EDSP376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.*

*Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.*

0401	Michael Dunham	Seats (Total: 27)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 4:00pm - 7:15pm	EDU 1107
	Contact instructor or department for details.	

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## EDSP498 Special Problems in Special Education

Credits: 1-6      Grading Method: Regular

*Available only to education majors who have definite plans for individual study of approved problems.  
Credit according to extent of work.*

**Contact department for information to register for this course.**

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**EDSP604      Education of Students with Autism Spectrum Disorder**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.  
Also offered as: EDSP604, EDSP604. Credit only granted for: EDSP404 or EDSP604.*

*Characteristics, needs, assessment, and educational methods for student diagnosed as autistic or  
having a pervasive development disorder.*

**Contact department for information to register for this course.**

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**EDSP606      Advanced Study in Inclusive Practices in The Schools**

Credits: 3                      Grading Method: Regular,  
   Audit

*Also offered as: EDSP450. Credit only granted for: EDSP450, EDSP606, or EDSP788P. Formerly:  
EDSP788P.*

*Educational practices regarding inclusive education in the schools for students with and without  
disabilities.*

**Contact department for information to register for this course.**

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**EDSP670      Single Subject Research Designs**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special  
Education department.*

*Design, application, and analysis of single subject research in special education classrooms across all  
disabilities.*

**Contact department for information to register for this course.**

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**EDSP678A      Seminar in Special Education; Social-Communication Challenges and Strategies for Individuals  
with ASDs**

Credits: 3                      Grading Method: Regular,  
   Audit

**Contact department for information to register for this course.**

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**EDSP682      Advanced Literacy Approaches for At-Risk Adolescents**

Credits: 3                      Grading Method: Regular,  
   Audit

*Also offered as: EDSP482. Credit only granted for: EDSP482, EDSP488R, EDSP682, or EDSP788R.  
Formerly: EDSP788R.*

*Approaches to teaching reading in the content areas for secondary students with disabilities.*

**Contact department for information to register for this course.**

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**EDSP798      Special Problems in Special Education**

(Perm req)                      Credits: 1-6                      Grading Method: Regular

*Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.*

**Contact department for information to register for this course.**

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**EDSP799      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular

*Registration required to the extent of six hours for Master's thesis.*

**Contact department for information to register for this course.**

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**EDSP888      Apprenticeship in Special Education**

Credits: 1-8                      Grading Method: Regular

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.*

**Contact department for information to register for this course.**

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**EDSP888A      Apprenticeship in Special Education; Apprenticeship in College Teaching**

Credits: 3                      Grading Method: Regular,  
   Audit

*Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.*

0104	Joan Lieber	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0108	Frances Kohl	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0109	Peter Leone	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0116	Paula Beckman	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0117	Rebecca Silverman	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0118	Susan De La Paz	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0120	Margaret McLaughlin	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0121	Debra Neubert	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0122	Philip Burke	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0124	Leslie Page-Voth	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0125	Instructor: TBA	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0127	Jade Wexler	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0204	Joan Lieber	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Frances Kohl	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Peter Leone	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0210	Leslie Page-Voth	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0216	Paula Beckman	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0217	Rebecca Silverman	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0218	Susan De La Paz	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0220	Margaret McLaughlin	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0221	Debra Neubert	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0222	Philip Burke	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0225	Instructor: TBA	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0227	Jade Wexler	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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### **EDSP889 Internship in Special Education**

(Perm req)

Credits: 3-8      Grading Method: Regular

*Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.*

**Contact department for information to register for this course.**

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### **EDSP898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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### **EDSP899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

*Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.*

**Contact department for information to register for this course.**

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## **ENAE      Engineering, Aerospace      Summer 2017**

### **ENAE202 Computing Fundamentals for Engineers**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Corequisite: Must be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Aerospace Engineering department. Credit only granted for: ENAE202 or ENME202.*

*Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.*

0201	Robert Sanner	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWF 12:30pm - 1:50pm	EGR 2154
	Th 12:00pm - 2:00pm	KEB 2107      Lab

## **ENAE283      Introduction to Aerospace Systems**

(Perm req)      Credits: 3      Grading Method: Regular

*Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282.*

*Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.*

0101	Andrew Becnel	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 4:30pm - 5:50pm	EGR 3106

## **ENAE398H      Honors Research Project**

Credits: 1-3      Grading Method: Regular

*Planned sequence of steps in aerospace honors research in which student take three (3) consecutive semesters of this course in partial fulfillment of aerospace engineering honors program requirements. The first semester consists of a series of seminars and meetings with faculty mentors on honors research; two semesters consist of undergraduate honors research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference.*

0101	Sung Lee	Seats (Total: 2)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0102	Raymond Sedwick	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0201	Raymond Sedwick	Seats (Total: 2)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**ENAE423      Vibration and Aeroelasticity**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.*

*Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.*

0201	Sung Lee	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWThF 8:00am - 9:20am		EGR 2154

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**ENAE499      Elective Research; Individual Instruction**

(Perm req)

Credits: 3      Grading Method: Regular

*Undergraduate research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference or competition.*

**Contact department for information to register for this course.**

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**ENAE799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENAE898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENAE899      Doctoral Dissertation Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**



**ENCE201****Engineering Information Processing**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: ENES220 and MATH241; and permission of ENGR-Civil & Environmental Engineering department. Corequisite: MATH246. Credit only granted for: ENCE201 or ENCE203.*

*Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).*

WB11	Peter Chang	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTh 7:30pm - 9:00pm	ONLINE
	Class time/details on ELMs	ONLINE

**ENCE215****Engineering for Sustainability**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department.*

*Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.*

WB21	Natasha Andrade	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Weekly video conference on Thursdays from 7:30pm-8:30pm.</i>	

**ENCE320****Introduction to Project Management**

(Perm req)

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering or in the Project Management Minor. Credit only granted for: ENCE320 or ENCE325.*

*Learn the fundamentals of project management and the analytical skills for the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.*

WB11	Scott MacRae	Seats (Total: 36)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	M 8:00pm - 9:00pm	ONLINE
	Class time/details on ELMs	ONLINE

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## **ENCE360      Analysis of Civil Engineering Systems**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department.*

*Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.*

**Contact department for information to register for this course.**

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## **ENCE422      Project Cost Accounting and Economics**

(Perm req)      Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.*

*Learn: the fundamentals of accounting; project cost accounting principles as they apply to project management; project cost accounting; and the fundamentals of engineering economics. Topics include: project feasibility analysis; reading and analyzing financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; the principles of activity based costing; net present value analysis; the framework for project performance measurement, cost performance indices, and earned value analysis.*

WB11	Qingbin Cui	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTh 7:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

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**ENCE424      Communication for Project Managers**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.*

*Learn the fundamentals of communications for project managers. Emphasis is on interpersonal and group communications; through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.*

WB11	William Brantley	Seats (Total: 30)	
	<b>Meets May 30, 2017 - August 20, 2017</b>		
	Class time/details on ELMs	ONLINE	
	Th 9:30pm - 10:30pm	ONLINE	Discussion

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**ENCE489      Special Problems in Civil Engineering**

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.*

**Contact department for information to register for this course.**

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**ENCE489C      Special Problems in Civil Engineering; Sustainability and Smart Cities**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.*

**Contact department for information to register for this course.**

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**ENCE489G      Special Problems in Civil Engineering; Sustainability and Infrastructure**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.*

SAGG	Nadine Sahyoun	Seats (Total: 0)
<b>Meets June 1, 2017 - June 13, 2017</b>		
Contact instructor or department for details.		

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**ENCE489I      Special Problems in Civil Engineering; Sustainable Green Infrastructure for the Urban Environment: Italy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.*

**Contact department for information to register for this course.**

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**ENCE606      Graduate Introduction to Project Scheduling**

Credits: 3                      Grading Method: Regular,  
Audit

*Students are taught the basics of project scheduling and the various scheduling approaches that are currently being used in the design and construction industry. Project planning techniques will be covered and basic scheduling methods will be taught including the use of bar charts. Critical Path Method (CPM), Program Evaluation and Review (PERT) and Linear Scheduling (Line of Balance) methods.*

PM01	Kenneth O'Connell	Seats (Total: 25)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Weekly video confernce on Wednesdays from 5pm-7pm.</i>		

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**ENCE625      Project Administration**

Credits: 3                      Grading Method: Regular,  
Audit

*The principles of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems of construction.*

Class has weekly videoconferencing.

0101	Neil Schulman	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 5:30pm - 8:40pm	JMP 2121
PM01	Neil Schulman	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	MW 7:00pm - 8:00pm	ONLINE Discussion

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## ENCE661 Project Cost Accounting and Finance

Credits: 3                      Grading Method: Regular,  
Audit

*This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.*

The first video conference on Monday will be from 8:00pm-9:00pm instead of 7:00pm-8:00pm, just for the first conference.

PM01	James Myers	Seats (Total: 30)
	<b>Meets May 30, 2017 - August 23, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Weekly video conferences Monday 7pm-8pm and Tuesday 3:30pm-4:30pm.</i>	

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## ENCE688 Advanced Topics in Civil Engineering

Credits: 1-3                      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.*

**Contact department for information to register for this course.**

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## ENCE689 Seminar

Credits: 1-16                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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## ENCE799 Master's Thesis Research

Credits: 1-6      Grading Method: Regular  
**Contact department for information to register for this course.**

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**ENCE898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENCE899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENCH      Engineering, Chemical      Summer 2017**

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**ENCH648      Special Problems in Chemical Engineering**

Credits: 1-16      Grading Method: Regular, Audit

0105	Peter Kofinas	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0113	Chunsheng Wang	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0114	Ganesh Sriram	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0203	Panagiotis Dimitrakopoulos	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0214	Ganesh Sriram	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
I206	Mikhail Anisimov	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**ENCH648L      Special Problems in Chemical Engineering; Photovoltaics: Solar Energy**

Credits: 3                      Grading Method: Regular,  
   Audit

**Contact department for information to register for this course.**

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**ENCH799      Master's Thesis Research**

(Perm req)                      Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENCH898      Pre-Candidacy Research**

(Perm req)                      Credits: 1-8                      Grading Method: Regular, Sat-  
   Fail

**Contact department for information to register for this course.**

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**ENCH899      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENCO      Engineering, Cooperative  
Education****Summer 2017**

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**ENCO098      Co-op/Internship Work Experience**

(Perm req)                      Credits: 0                      Grading Method: Sat-Fail

*Participation in a cooperative education (co-op) or internship program enables students to apply the theories that they have learned in their traditional classes with paid, supervised, career-related work experience that develops technical and professional work skills. Contact the Engineering Co-op & Career Services Office.*

CP10	Heidi Sauber	Seats (Total: 300)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

CP20	Heidi Sauber, Veronica Perrigan	Seats (Total: 300)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**ENEE      Electrical & Computer Engineering****Summer 2017**

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**ENEE131****Technology Choices**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: IE      General Education: DSSP, SCIS

*An exploration of the positive and negative effects of technology on society, via diverse criteria to assess the relative well being of individuals and society; an examination of how society can help shape the future of technology and the tools that can be used to make wise technology choices.*

0101	Wesley Lawson	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 2:00pm - 3:20pm	EGR 3106

**ENEE200****Technology and Consequences: Engineering, Ethics, and Humanity**

Credits: 3      Grading Method: Regular      CORE: IE      General Education: DSHU, SCIS

*What makes a technology socially responsible? At UMD, the Fearless Ideas campaign asks us to aim our enthusiasm for technology at big real problems. At the same time, we are coming to appreciate the increasingly complex nature of technological systems as they become integrated into all forms of infrastructure, we realize they may be unpredictable, interdependent on social and biological systems, and have unintended consequences. In this midst of this complexity, people make decisions with far reaching impacts. How then do we follow our passion for technology and innovation but also stay skeptical in a way that allows us to consider the potential and shortcomings of technology? Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology.*

0101	Wesley Lawson	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 11:00am - 12:20pm	EGR 3106

**ENEE205****Electric Circuits**

(Perm req)

Credits: 4      Grading Method: Regular

*Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.*

*Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.*



0101	Wesley Lawson	Seats (Total: 12)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MTuWTh 12:30pm - 1:50pm	EGR 3106
	TuTh 8:00am - 10:50am	AVW 1356      Lab

## ENEE244      Digital Logic Design

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Must have completed or be concurrently enrolled in CMSC132 or ENEE150; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).*

*The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.*

Engineering College only (04).

0101	Manoj Franklin	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MTuWTh 9:30am - 10:50am	CSI 2107

## ENEE303      Analog and Digital Electronics

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303.*

*Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.*

0101	Manoj Franklin	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MTuWTh 12:30pm - 1:50pm	EGR 0108

## ENEE313      Introduction to Device Physics

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.*

*Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.*

0101	Danilo Romero	Seats (Total: 30)
<b>Meets May 30, 2017 - July 20, 2017</b>		
	MTuWTh 9:30am - 10:50am	EGR 2116

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### ENEE324

#### Engineering Probability

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.*

*Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.*

0101	Manoj Franklin	Seats (Total: 45)
<b>Meets May 30, 2017 - July 20, 2017</b>		
	MTuWTh 11:00am - 12:20pm	EGR 0108

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### ENEE350

#### Computer Organization

(Perm req)

Credits: 3

Grading Method: Regular

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.*

*Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.*

ENEE majors (09090) only.

0101	Ankur Srivastava	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MW 3:30pm - 6:20pm	CSI 2118

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**ENEE380****Electromagnetic Theory**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH241, PHYS270, and PHYS271; and completion of all lower-division technical courses in the EE curriculum; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program.*

*Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.*

0101	Danilo Romero	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MTuWTh 2:00pm - 3:20pm	EGR 2116

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**ENEE459V****Topics in Computer Engineering; Embedded Systems**

(Perm req)

Credits: 3                      Grading Method: Regular

*Selected topics of current importance in computer engineering.*

*Prerequisites: ENEE350; ENEE244; ENEE150 or CMSC216* The first decade of 21st century was marked by the emergence of smart devices that are used in everyday life. Smart phones, smart cars, smart TV, smart thermostats, smart vacuum cleaners, to name just a few. These developments are powered in large part by the embedded systems. This course will provide students with the essential knowledge base that will enable them to tackle complex problems encountered in embedded systems design. In addition to the overview of associated hardware components and software methodologies and tools used in the development of modern embedded systems, and theory behind them, the course will include a carefully selected collection of hands-on Lab exercises that would help students get a sense of how the presented theoretical concepts connect with the real-world embedded systems applications.

0101	George Zaki	Seats (Total: 15)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MTh 5:30pm - 8:15pm	JMP 3201
WB11	George Zaki	Seats (Total: 15)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	Class time/details on ELMs	ONLINE

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### **ENEE488 Independent Study in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3      Grading Method: Regular

*The purpose is to provide students with an opportunity for independent study projects on advanced electrical and computer engineering topics. These projects typically involve academic investigations of technical themes that are not addressed in the established elective and special topics courses taught by the department on a regular basis. Study plans are tailored to students educational goals but are approved and supervised by faculty.*

**Contact department for information to register for this course.**

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### **ENEE499 Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-5      Grading Method: Regular

*The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.*

**Contact department for information to register for this course.**

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### **ENEE499L Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3      Grading Method: Regular

*The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.*

**Contact department for information to register for this course.**

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**ENEE499R Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3      Grading Method: Regular

*The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.*

**Contact department for information to register for this course.**

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**ENEE699 Independent Studies in Electrical Engineering**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Supervised individual study or project, or supervised group study or project, at an advanced level, in electrical engineering.*

**Contact department for information to register for this course.**

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**ENEE759V Advanced Topics in Computer Engineering; Embedded Systems**Credits: 3      Grading Method: Regular,  
Audit

*Topics, as announced every semester, from the field of computer engineering and its applications.*

Prerequisite: ENEE350 or equivalent course on Computer Architecture, ENEE244 or equivalent course on Digital Logic Design, ENEE150 or equivalent course on programming (preferably C). The first decade of 21st century was marked by the emergence of smart devices that are used in everyday life. Smart phones, smart cars, smart TVs, smart thermostats, smart vacuum cleaners, just to name a few. These developments are powered in large part by the embedded systems. This course will provide students with the essential knowledge base that will enable them to tackle complex problems encountered in embedded systems design. In addition to the overview of associated hardware components and software methodologies and tools used in the development of modern embedded systems, and theory behind them, the course will include a carefully selected collection of hands-on Lab exercises that would help students get a sense of how the presented theoretical concepts connect with the real-world embedded systems applications.

0101	George Zaki	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 20, 2017</b>	
	MTh 5:30pm - 8:15pm	JMP 3201

WB11	George Zaki	Seats (Total: 15)
<b>Meets May 30, 2017 - July 20, 2017</b>		
Class time/details on ELMs		ONLINE

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**ENEE799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Sat-Fail

**Contact department for information to register for this course.**

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**ENEE898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-Fail

*Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.*

**Contact department for information to register for this course.**

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**ENEE899 Doctoral Dissertation Research**

(Perm req)

Credits: 1-8      Grading Method: Sat-Fail

**Contact department for information to register for this course.**

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## ENES      Engineering Science      Summer 2017

**ENES100 Introduction to Engineering Design**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSSP

*Corequisite: MATH140.*

*Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.*

YS41	David Lovell	Seats (Total: 34)
<b>Meets July 10, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 1:00pm		JMP 1215
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

YS42	Peter Chang	Seats (Total: 34)
<b>Meets July 10, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 1:00pm		JMP 1116
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

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## ENES102      **Mechanics I**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.*

*The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.*

0101	Thomas Beigel	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWTh 12:30pm - 2:50pm		EGR 1108

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## ENES106      **Achieving Success in Mathematics**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-A. James Clark School of Engineering.*

*An exploration of the skills and habits needed to successfully complete introductory mathematics courses.*

Restricted to students in the Summer Bridge Program.

CP01	Stephen Balady	Seats (Total: 20)
<b>Meets June 27, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 11:00am		EGR 3102

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## ENES107      **Achieving College Excellence**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-A. James Clark School of Engineering.*

*An exploration of the skills and habits needed to successfully complete the introductory chemistry course for engineering students. Course will also include strategies for a successful first year experience.*

Restricted to students in the Summer Bridge Program.

CP01	Michelle Udeli	Seats (Total: 20)
<b>Meets June 27, 2017 - July 28, 2017</b>		
MTuWThF 11:00am - 12:30pm		EGR 3102
<i>Permission is limited to students in the Summer Bridge Program.</i>		

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## ENES140

### Discovering New Ventures

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSSP
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*Additional information: This course may count as an elective for a student at the University of Maryland, depending on the student's specific degree program. It cannot be counted towards the requirements for the Smith School of Business Entrepreneurship Fellow Program.*

*Students explore dynamic company startup topics by working in teams to design a new venture. This multi-disciplinary course helps students to learn the basic business, strategy, and leadership skills needed to launch new ventures. Topics include learning how to assess the feasibility of a startup venture, as well as how to apply best practices for planning, launching, and managing new companies. Students discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models that help them navigate uncertainty.*

WB31	James Green	Seats (Total: 100)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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## ENES220

### Mechanics II

(Perm req)

Credits: 3	Grading Method: Regular, Pass-Fail, Audit
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*Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.*

*Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.*



0201	Thomas Beigel	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWTh 12:00pm - 2:20pm	KEB 1200

## ENES221 Dynamics

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.*

*Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.*

0201	Stephen Kamakaris	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWTh 12:00pm - 2:20pm	EGR 1104

## ENES232 Thermodynamics

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE301, ENCH300, ENES232, ENME320, or ENME232. Formerly: ENME232 and ENME320.*

*Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.*

0201	Kristen Hines	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWTh 9:00am - 11:20am	EGR 1104

## ENES269C Topics in Grand Challenges for Engineering in a Global Context; The View from China

Credits: 3      Grading Method: Regular      General Education: DSNS,  
DVCC, SCIS

*Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.*

**Contact department for information to register for this course.**

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**ENES269F**      **Topics in Grand Challenges for Engineering in a Global Context; A Global Perspective on Security: France**

Credits: 3                      Grading Method: Regular

*Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.*

**Contact department for information to register for this course.**

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**ENES269G**      **Topics in Grand Challenges for Engineering in a Global Context; Grand Challenges for Engineering in a Global Context: Germany**

Credits: 3                      Grading Method: Regular                      General Education: DSNS, DVCC, SCIS

*Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.*

**Contact department for information to register for this course.**

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**ENES316**      **Global Leadership in Engineering, Business, & Technology**

Credits: 3                      Grading Method: Regular

*Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or permission of instructor. Additional information: Students will be required to participate in off-campus industry visits outside of the formal class meeting time.*

*An introduction to global leadership research, theories, and practice with an emphasis on applied dimensions of global leadership in the engineering, business, and technology sectors. This course prepares students to further their knowledge and capacities for global leadership to be successful in industry.*

**Contact department for information to register for this course.**

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**ENES317**      **Introduction to Engineering Leadership**

Credits: 3                      Grading Method: Regular, Pass-Fail, Audit                      General Education: DSSP

*Prerequisite: Permission of ENGR-A. James Clark School of Engineering.*

*Focus is placed on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government.*

WB21	Ramsey Jabaji	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 12, 2017</b>	
	Class time/details on ELMs	ONLINE

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**ENES458A      Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Assessment**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.*

Ghana

**Contact department for information to register for this course.**

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**ENES458C      Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Monitoring**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.*

**Contact department for information to register for this course.**

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**ENES458I      Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Implementation**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.*

**Contact department for information to register for this course.**

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**ENES460      Fundamentals of Technology Start-Up Ventures**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES460, BMGT461 or HLMN470. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.*

*Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.*

WB61	Cait von Schnetlage	Seats (Total: 75)
	<b>Meets July 31, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Please note, for Summer Term 2017, restrictions will not apply.</i>	

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## **ENES462      Marketing High-Technology Products and Innovations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.*

*Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.*

WB51	Olufunlola Koiki	Seats (Total: 75)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Please note, for Summer Term 2017, restrictions will not apply.</i>	

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## **ENES464      International Entrepreneurship and Innovation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.*

*Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis.*

WB41	Shyam Chidamber	Seats (Total: 50)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Please note, for Summer Term 2017, restrictions will not apply.</i>		

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## **ENES472 International Business Cultures in Engineering and Technology**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DVCC

*Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.*

*The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.*

**Contact department for information to register for this course.**

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## **ENES664 Business Modeling and Customer Validation**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: ENES662 and ENES663.*

*Focuses on how to create and deliver value for customers and extract value for the new venture. Develop business models that encompass the product or service, customers, and the economic engine to meet the venture's financial and growth objectives. Introduces a structured way to think about, analyze, and develop a sound business model that is customer validated.*

PLM1	Daniel Gordon	Seats (Total: 50)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in the MPTE or GCTE Programs.</i>		

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## **ENES665 Innovative Thinking**

Credits: 3      Grading Method: Regular

*Prerequisite: ENES662 and ENES663.*

*Introduces students to new and powerful tools to boost their creative problem solving skills. Participants re-discover their communication and teaming skills. Students unlock their creativity potential, and explore win-win approaches to define and solve problems of different kinds. Students are also introduced to topics related to intellectual property.*

PLM1	Frankie Abralind	Seats (Total: 50)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in the MPTE or GCTE Programs.</i>	

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## **ENES670 Financial Management and New Venture Financing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit, Sat-Fail

*Prerequisite: ENES666 and ENES667.*

*Provides the essential tools and skills to build a strong financial foundation for a new technology venture. Examines accounting principles as well as methods for keeping firm financial control of the venture. Discusses navigating the multitude of financial barriers that may block entrepreneurial success, as well as how to raise the right amount of capital at the right time from the right source.*

PLM1	Michael Pratt	Seats (Total: 50)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in the MPTE Program.</i>	

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## **ENES671 Legal Aspects of Entrepreneurship**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: ENES666 and ENES667.*

*Explores critical legal and business issues entrepreneurs face as they build and launch a new venture. Examines real world scenarios, and addresses the legal issues at all of the important junctures along the path to success. Significant attention placed on new venture formation, intellectual property management, and financing arrangements.*

PLM1	Wilson White	Seats (Total: 50)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in the MPTE Program.</i>	

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**ENFP102****Fire Safe Building Designs**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Students are introduced to Fire Protection Engineering (FPE). Discussions on contemporary fire safety topics are designed to raise your interest and understanding of fire, its impact on people, property and the environment and methods to mitigate the threat of fire. Students will have hands-on experiences through a set of demonstrations and a final experiment to explore fire behavior and the performance of fire safety systems. The final experiment will apply the principles of fire behavior and fire safety systems to build and test a fire safe, small-scale residence.*

YS41                      James Milke, Kenneth Isman                      Seats (Total: 13)

**Meets July 10, 2017 - July 28, 2017**

MTuWThF 9:00am - 1:00pm                      JMP 1109

*This section is part of Terp Young Scholars. Enrollment by permission only. [Click here for more course information.](#)*

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**ENFP312****Heat and Mass Transfer**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES232 and ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department.*

*Fundamentals of heat and mass transfer. Conduction, convection, and radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.*

0201                      Paul Anderson                      Seats (Total: 20)

**Meets July 10, 2017 - August 18, 2017**

MTuWTh 2:00pm - 4:00pm                      JMP 1202

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**ENFP429****Independent Studies**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail

*For students who have definite plans for individual study of approved problems, or study of an advanced topic selected in conjunction with the faculty.*

**Contact department for information to register for this course.**

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**ENFP613****Human Response to Fire**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of ENGR-Fire Protection Engineering department. Also offered as: ENFP413.*

*Fractional effective dose (FED) methods for predicting time to incapacitation and death of fires for use in fire safety engineering calculations. Physiology and toxicology of fire effluent components, decomposition chemistry of common materials, standard experimental approaches. Predictive models of material production rates. People movement characteristics related to building evacuation. Formulation and application of evacuation models. Human behavior factors affecting response of people to fire situations.*

EF01	Jamie McAllister, Steven Gwynne, Aoife Hunt	Seats (Total: 40)
	<b>Meets June 5, 2017 - August 25, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Permission of OAEE needed on section EF01</i>	

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#### ENFP629

##### **Selected Topics**

Credits: 3-6

Grading Method: Regular,  
Audit

*Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.*

**Contact department for information to register for this course.**

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#### ENFP649

##### **Special Problems**

Credits: 1-3

Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty from the current literature to suit the special needs and background of students, or for individual students who have definite plans of individual study.*

**Contact department for information to register for this course.**

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#### ENFP653

##### **Advanced Fire Suppression**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP410, ENFP489L, ENFP653, or ENFP629C. Formerly: ENFP629C.*



*Issues related to the suppression of fires and the design of fire suppression systems. Theoretical aspects of fire suppression and extinction are considered to provide the foundation for the practical design of different types of fire suppression systems. Focus on water-based and "clean agent" fire suppression systems, with emphasis on high challenge and special hazard applications. Systems using other agents are introduced, but are not addressed in detail.*

EF01	Jason Sutula	Seats (Total: 40)
	<b>Meets June 5, 2017 - August 25, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Permission of OAEE needed on section EF01</i>	

## ENFP799 Master's Thesis Research

Credits: 1-6      Grading Method: Regular, Sat-Fail

*Development and completion of Master's Thesis.*

**Contact department for information to register for this course.**

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## ENGL      English      Summer 2017

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### ENGL101 Academic Writing

Credits: 3      Grading Method: Regular      General Education: FSAW

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

An introductory course in academic writing.

*[Click here for more course information.](#)*

0101	Susan Pramschufer	Seats (Total: 19)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 9:30am - 1:00pm	TWS 0201
0102	Katherine Joshi	Seats (Total: 19)
	<b>Meets June 19, 2017 - July 28, 2017</b>	
	MTuWThF 11:15am - 12:35pm	TWS 1107

0201	Heather McHale <b>Meets July 10, 2017 - August 18, 2017</b> TuTh 1:00pm - 4:30pm	Seats (Total: 6)  TWS 0207
WB11	Maggie Ray <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB12	Amanda Allen <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB21	Catherine Bayly <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB22	David Brookshire <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE

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## ENGL101A Academic Writing

Credits: 3

Grading Method: Regular

General Education: FSAW

*Additional information: Any student who has not successfully completed this course by Fall 2017 must complete this course with a minimum grade of C- in order to fulfill the General Education Fundamental Studies Academic Writing requirement.*

*An introductory course in expository writing.*

**Contact department for information to register for this course.**

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## ENGL256 Fantasy Literature

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHU

*How fantasy employs alternate forms of representation, such as the fantastical, estranging, or impossible, which other genres would not allow. Through novels, short stories, graphic novels, and film, traces fantasy's roots in mythology and folklore, then explores how modern texts build upon or challenge these origins. Examination of literary strategies texts use to represent the world through speculative modes. How to distinguish fantasy from, and relate it to, other genres such as science fiction, horror, fairy tales, and magical realism. Fantasy's investment in world-building, history, tradition, and categories of identity such as race, class, and gender. How fantasy, as a genre, form, and world-view, is well-suited to our contemporary reality.*

WB21	Daniel Kason	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Click here for more course information.</i>		

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**ENGL269A      Special Topics in Study Abroad II; American Writers in Paris**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL269I      Special Topics in Study Abroad II; James Joyce's Dublin: Creative Writing with The Dubliners: Ireland**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL269R      Special Topics in Study Abroad II; Writing Rome**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL271      Writing Poems and Stories: An Introductory Workshop**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.*

WB11	Lindsay Bernal	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**ENGL275      Writing to be Seen: Scriptwriting for Theatre, Film, and Television**

Credits: 3                      Grading Method: Regular,  
Pass-Fail                      General Education: DSHU,  
DSSP

*Also offered as: ARHU275. Credit only granted for: ENGL278D, ENGL275, ARHU319B, or ARHU275. Formerly: ENGL278D; ARHU319B.*

*Introduction to theory and practice of scriptwriting with opportunity to read, view, evaluate, write, and revise texts meant to be performed for spectators. Practice writing for the stage, film and television, with emphasis on critical reading of textual and visual literary models. Theory and scholarship teaching opportunities and advantages of each format. Application of scholarship to analysis and critique of plays and texts successful across two different formats. Examination of selected scripts, performances, and film and television clips as models for students' own creative work. Frequent writing exercises and use of workshop format.*

WB11	Douglas Kern	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i><a href="#">Click here for more course information.</a></i>	

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**ENGL327                      The Suburbs in American Literature and Film**

Credits: 3                      Grading Method: Regular,  
Pass-Fail                      General Education: DSHU,  
DVUP

*Explores through written expression and through cinema the diverse and changing world of US suburbia. Premised on two arguments: (1) the suburbs embody many of the contours and contradictions of American life; and (2) the suburbs are far more racially, ethnically, culturally, sexually, economically diverse than mass media suggests. Investigation via prose, poetry, drama, and cinema, as well as secondary sources in sociology, women's studies, ethnic studies, history, cultural studies, psychology, anthropology, and the history of science and technology.*

WB11	Randy Ontiveros	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i><a href="#">Click here for more course information.</a></i>	

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**ENGL346                      Twentieth Century Fiction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.*

WB11	Sangeeta Ray	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**ENGL348G      Literary Works by Women; Jane Austen: Novels, Films, Adaptations**

Credits: 3      Grading Method: Regular,      , D  
Pass-Fail, Audit

*The context, form, style and meaning of literary works by women.*

WB11	Tita Chico	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Click here for more course information.</i>	

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**ENGL359F      Special Topics in Lesbian, Gay, and Bisexual Literatures; Lesbian, Gay, Bisexual, and Transgender Film and Video**

Credits: 3      Grading Method: Regular,      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Study of selected writers or particular themes in Lesbian, Gay, and Bisexual Literatures.*

Also offered as LGBT327. Credit granted for LBGT327 or ENGL359F.

WB21	James Goodwin	Seats (Total: 30)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Click here for more course information.</i>	

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**ENGL369A      Special Topics in Study Abroad III; American Writers in Paris**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369J      Special Topics in Study Abroad III; Ireland: James Joyce's Dublin**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369K      Special Topics in Study Abroad III; Great Directors**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369P      Special Topics in Study Abroad III; Politics and Science Fiction**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL369R      Special Topics in Study Abroad III; Great Actors**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL375      J.R.R. Tolkien: Middle-earth and Beyond**

Credits: 3                      Grading Method: Regular,                      General Education: DSHU  
Pass-Fail

*Credit only granted for: ENGL375 or ENGL479D. Formerly: ENGL479D.*

*Introduction to J.R.R. Tolkien's best-known texts, "The Hobbit" and "The Lord of the Rings," and beyond. Tolkien's source material, themes, and writing style; the mythology of Tolkien's world as found in his posthumously published works; exploration of some of Tolkien's lesser-known works, such as "Farmer Giles of Ham," "Smith of Wooten Major," "The Fall of Arthur," "The Legend of Roverandom" and his essay on "Beowulf."*

WB21	Christopher Crane	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE
<i>Click here for more course information.</i>		

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**ENGL388P      Writing Internship; Pre-professional Writing Skills Internship**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail

General Education: DSSP

*Field work in English.*

WB21	Karen Lewis	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<a href="#">Click here for more course information.</a>	

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## ENGL391

### Advanced Composition

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.*

0107	Melanie Faith	Seats (Total: 19)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 6:00pm - 9:30pm	TWS 0232
0201	Robert Oliver	Seats (Total: 19)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 9:30am - 12:45pm	TWS 0224
WB11	Pamela Gerhardt	Seats (Total: 19)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
WB21	Mark Forrester	Seats (Total: 19)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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## ENGL393

### Technical Writing

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*The writing of technical papers and reports.*

0101	Joseph Wappel <b>Meets May 30, 2017 - July 7, 2017</b> MW 9:30am - 12:50pm Contact instructor or department for details.	Seats (Total: 19)  TWS 0224
0112	Mark Fitzgerald <b>Meets May 30, 2017 - July 7, 2017</b> TuTh 6:00pm - 9:15pm	Seats (Total: 19)  TWS 0224
0206	Joshua Buursma <b>Meets July 10, 2017 - August 18, 2017</b> MW 6:00pm - 9:15pm	Seats (Total: 19)  TWS 0214
WB11	Michael Winett <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB12	Michelle Von Euw <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB13	Pamela Orel <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB14	Phillip Moses <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 0)  ONLINE
WB15	Daniel Saalfeld <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB21	Sajeela Yaqub <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB22	David Miles <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE



WB23	Sheila Lalwani <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB24	Andrew Delfino <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB25	Sarah Dammeyer <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB26	Phillip Moses <b>Meets July 10, 2017 - August 20, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE

## ENGL394

### Business Writing

Credits: 3

Grading Method: Regular

General Education: FSPW

*Prerequisite: ENGL 101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style.*

WB11	Kate Wilson <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB12	Karen Angeline <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB13	Daune O'Brien <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE
WB21	Clare Parsons <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 19)  ONLINE

WB22	Daune O'Brien	Seats (Total: 19)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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WB23	Danuta Hinc	Seats (Total: 19)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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### ENGL395 Writing for Health Professions

Credits: 3                      Grading Method: Regular                      General Education: FSPW

*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*

*Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness.*

WB11	John Matthews	Seats (Total: 19)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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### ENGL403 Shakespeare: The Early Works

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.*

WB21	Kim Coles	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Click here for more course information.</i>	

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### ENGL409C Study Abroad Special Topics IV; Shakespeare's Italian Plays

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409M      Study Abroad Special Topics IV; Literature, Art and Architecture in London**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL409Y      Study Abroad Special Topics IV; Travel Writing**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ENGL429      Independent Research in English**

(Perm req)

Credits: 1-6                      Grading Method: Regular

*An advanced independent research project for qualified students, supervised by an English faculty member, on a topic not ordinarily covered in available courses.*

**Contact department for information to register for this course.**

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**ENGL433      American Literature: 1914 to the Present, the Modern Period**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Two English courses in literature; or permission of ARHU-English department.*

*Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.*

*Click here for more course information.*

WB11	Paul Cote	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Click here for more course information.</i>		

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**ENGL679      Professional and Career Mentoring for Master's Students**

Credits: 1-3                      Grading Method: Sat-Fail

*Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for MA and MFA students from a faculty member.*

0108	Ralph Bauer	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0266	Ralph Bauer	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**ENGL699      Independent Study**

(Perm req)

Credits: 1-3      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENGL799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENGL879      Professional Mentoring for Doctoral Students**

Credits: 1-3      Grading Method: Sat-Fail

*Augments advising currently provided by the English Department Graduate Studies Office. Individual professional and career mentoring for PhD students from a faculty member.*

**Contact department for information to register for this course.**

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**ENGL898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

*Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.*

0201	Instructor: TBA	Seats (Total: 1)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**ENGL899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

**ENMA300 Introduction to Materials Engineering**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department.  
Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit  
only granted for: ENMA300 or ENME382.*

*Structure of materials, chemical composition, phase transformations, corrosion and mechanical  
properties of metals, ceramics, polymers and related materials. Materials selection in engineering  
applications.*

WB21	Isabel Lloyd	Seats (Total: 45)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**ENMA499 Senior Laboratory Project**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Students work with a faculty member on an individual laboratory project in one or more of the areas of  
engineering materials. Students will design and carry out experiments, interpret data and prepare a  
comprehensive laboratory report.*

0101	Raymond Phaneuf	Seats (Total: 2)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**ENMA698 Special Problems in Materials Science and Engineering**

Credits: 1-3                      Grading Method: Regular,  
Audit

*Individual, supervised study in materials science and engineering.*

**Contact department for information to register for this course.**

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**ENMA797 Independent Study**

Credits: 3                      Grading Method: Regular,  
Audit

*This course is designed to provide students with a directed independent study course in order to  
prepare the scholarly paper required for the master's degree without thesis degree option.*

0101	Ichiro Takeuchi	Seats (Total: 2)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**ENMA799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENMA898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENMA899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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## **ENME      Engineering, Mechanical      Summer 2017**

**ENME202 Computing Fundamentals for Engineers**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Corequisite: Must be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENAE202 or ENME202.*

*Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.*

0201	Robert Sanner	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWF 12:30pm - 1:50pm	EGR 2154	
Th 12:00pm - 2:00pm	KEB 2107	Lab

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**ENME207 Fabrication and Machine Tool Practices for Engineering**

Credits: 2      Grading Method: Regular

*Prerequisite: PHYS161. And ENME272; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Mechanical Engineering department.*

*In order to make the best decisions in product design and development, it is important to understand the capabilities and limitations of different fabrication techniques. Students will learn to identify machine parts and functions, define machine shop terminology, calculate shop formulas and theories, execute machine operations, and apply proper measuring tools.*

0302	Babak Eslami	Seats (Total: 10)	
<b>Meets May 30, 2017 - June 16, 2017</b>			
MTuWThF 10:00am - 11:00am		EGL 0101	
MTuWThF 11:00am - 1:00pm		EGL 0101	Lab

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### **ENME331      Fluid Mechanics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.*

*Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.*

0102	Xinan Liu	Seats (Total: 35)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 12:30pm - 4:00pm		PHY 1204

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### **ENME332      Transfer Processes**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME331.*

*The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.*

0101	Mohammad Alizadeh Nomeli	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
TuTh 10:00am - 1:30pm		CHE 2118

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### **ENME361      Vibration, Controls and Optimization I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program.*

*Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.*

0101	Vincent Nguyen	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 9:00am - 12:30pm	EGR 1108

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## **ENME382                      Introduction to Materials Engineering**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382.*

*Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.*

WB21	Isabel Lloyd	Seats (Total: 45)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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## **ENME392                      Statistical Methods for Product and Processes Development**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH241.*

*Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.*

Students have the option to meet in JMP2121.



HY11	David Bigio	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 11:00am - 1:00pm	JMP 2121
	Class time/details on ELMs	ONLINE Discussion

## ENME400 Machine Design

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.*

*Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.*

0101	Thomas Beigel	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 4:00pm - 6:00pm	EGR 1108
	Tu 4:00pm - 6:45pm	EGR 1108
	Th 4:00pm - 6:00pm	EGR 1108
0201	Thomas Beigel	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 4:00pm - 6:00pm	EGR 1108
	Tu 4:00pm - 6:45pm	EGR 1108
	Th 4:00pm - 6:00pm	EGR 1108

## ENME414 Computer-Aided Design

Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH241; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME 414 or ENME272.*

*Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.*

0302	Guangming Zhang	Seats (Total: 20)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWThF 12:00pm - 3:00pm	KEB 2111

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**ENME421      Engineering Design Ideation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in ENME371. Restriction: Junior standing or higher. Additional information: Ideally, this course should be taken prior to capstone design.*

*Engineering Design Methods is a technical elective for engineering students who wish to improve their ability to produce design ideas (i.e., the ideation process) for further development into conceptual ideas. Ideation is the creative, idea generation activity that happens at the beginning of the conceptual design process. Ideation methods are often built around creativity improving strategies and are often designed for individual use prior to presenting the results in a team setting.*

WB21	Linda Schmidt	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**ENME445      Design for Reliability**

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher.*

*Failure prevention, accident prevention, design requirements analysis, designing right the first time, high system reliability, software reliability, manufacturing defect prevention, life cycle costs reduction, design reviews, managing the design for reliability, design trustworthiness, product durability, and writing good specifications are covered.*

WB31	Baldev Raheja	Seats (Total: 29)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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**ENME462      Vibrations, Controls, and Optimization II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ENME351 and ENME361.*

*Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.*

0101	Steven Mitchell	Seats (Total: 32)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 8:00am - 10:00am	EGR 3106

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## ENME470      **Finite Element Analysis**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.*

*Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.*

Course will meet on KEB1200 for 07/14/15 and 07/21/15.

0201	Chandrasekhar Thamire	Seats (Total: 42)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 12:00pm - 3:30pm	KEB 2111

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## ENME488      **Special Problems**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.*

**Contact department for information to register for this course.**

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## ENME635      **Energy Systems Analysis**

Credits: 3                      Grading Method: Regular,  
Audit

*Rankine cycles with nonazeotropic working fluid mixtures, two-, multi- and variable-stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternatives.*

**Contact department for information to register for this course.**

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## ENME701      **Sustainable Energy Conversion and the Environment**

Credits: 3                      Grading Method: Regular,  
Audit

*Recommended: ENME633. Credit only granted for: ENME701, ENME706 or ENME808D. Formerly: ENME706 and ENME808D.*

*Discussion of the major sources and end-uses of energy in our society with particular emphasis on renewable energy production and utilization. Introduces a range innovative technologies and discusses them in the context of the current energy infrastructure. Renewable sources such as wind and solar are discussed in detail. Particular attention is paid to the environmental impact of the various forms of energy.*

0201	K Radermacher	Seats (Total: 25)
<b>Meets July 10, 2017 - July 21, 2017</b>		
	MTuWThF 8:00am - 5:00pm	EGR 0135

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**ENME799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENME808 Advanced Topics in Mechanical Engineering**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**ENME898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**ENME899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**ENNU      Engineering, Nuclear      Summer 2017**

**ENNU620 Mathematical Techniques for Engineering Analysis and Modeling**

Credits: 3      Grading Method: Regular

*Also offered as: ENRE620.*

*Probability and probability distributions; statistics; ordinary differential equations; linear algebra and vectors; Laplace transform; Fourier analysis; boundary value problems; series solutions to differential equations; partial differential equations; numerical methods.*

0201	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> MW 5:15pm - 9:00pm	Seats (Total: 20)  JMP 2222
ER02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE
HT02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> MW 5:15pm - 9:00pm	Seats (Total: 10)  Location: TBA
NE02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 10)  ONLINE
RE02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 5)  ONLINE
SG02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> MW 5:15pm - 9:00pm	Seats (Total: 10)  Location: TBA
SM02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> MW 5:15pm - 9:00pm	Seats (Total: 10)  Location: TBA

## ENNU899

### Doctoral Dissertation Research

Credits: 1-8      Grading Method: Regular, Sat-Fail

0102	Mohamad Al-Sheikhly <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 1)
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## ENPM

### Engineering, Professional Masters

Summer 2017

## ENPM621

### Heat Pump and Refrigeration Systems Design Analysis

Credits: 3                      Grading Method: Regular,  
Audit

*Thermal engineering of heat pump and refrigeration systems and thermal systems modeling. Thermodynamics and heat transfer. Cycle analysis, alternative refrigerants, graphical analysis using property charts. Analysis of applications such as space conditioning, food preservation, manufacturing, heat recovery and cogeneration.*

CP01	Jiazhen Ling <b>Meets May 30, 2017 - July 24, 2017</b> TuTh 6:00pm - 8:40pm	Seats (Total: 25)  JMP 2216
HT01	Jiazhen Ling <b>Meets May 30, 2017 - July 24, 2017</b> TuTh 6:00pm - 8:40pm	Seats (Total: 5)  Location: TBA
SG01	Jiazhen Ling <b>Meets May 30, 2017 - July 24, 2017</b> TuTh 6:00pm - 8:40pm	Seats (Total: 5)  Location: TBA
SM01	Jiazhen Ling <b>Meets May 30, 2017 - July 24, 2017</b> TuTh 6:00pm - 8:40pm	Seats (Total: 5)  Location: TBA

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## ENPM652

### Applied Finite Element Methods

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must not have completed ENME674; and must not have completed ENAE652. Credit only granted for: ENME674, ENAE652, or ENPM652.*

*For engineering and science students with little or no previous knowledge of the FEM. Study of FEM, using straightforward mathematics. Students should understand basic concepts and equations of elasticity and thermal heat flow, be familiar with simple matrix algebra. Covers stress analysis and thermal analysis problems. ANSYS finite element code will be used for examples and homework solutions. Basic problem solving procedure will be developed for using finite element computer codes.*

CP01	John Clayton <b>Meets May 30, 2017 - August 18, 2017</b> M 5:30pm - 8:55pm	Seats (Total: 25)  JMP 2217
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HT01	John Clayton <b>Meets May 30, 2017 - August 18, 2017</b> M 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA
SG01	John Clayton <b>Meets May 30, 2017 - August 18, 2017</b> M 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA
SM01	John Clayton <b>Meets May 30, 2017 - August 18, 2017</b> M 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA

## ENPM654

### Energy Systems Management

Credits: 3      Grading Method: Regular,  
Audit

*Recommended: Background in thermodynamics, fluid mechanics, and heat transfer is recommended.*

*Covers a wide range of energy management and energy efficiency topics including energy auditing, energy efficient lighting systems and motors, demand limiting and control, control strategies for optimization, direct digital control, integrated building automation systems, communication networks, distributed generation, cogeneration, combined heat and power, process energy management and the associated economic analyses. Included will be the latest internet based technologies for accessing real-time energy pricing and managing energy demand remotely for multiple buildings or campuses.*

CP01	Brian Valentine <b>Meets May 30, 2017 - August 18, 2017</b> W 5:30pm - 8:45pm	Seats (Total: 20)  JMP 2121
HT01	Brian Valentine <b>Meets May 30, 2017 - August 18, 2017</b> W 5:30pm - 8:45pm	Seats (Total: 5)  Location: TBA
ME01	Brian Valentine <b>Meets May 30, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 20)  ONLINE
SG01	Brian Valentine <b>Meets May 30, 2017 - August 18, 2017</b> W 5:30pm - 8:45pm	Seats (Total: 5)  Location: TBA

SM01	Brian Valentine	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	W 5:30pm - 8:45pm	Location: TBA

## ENPM675

### Operating System Design

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Undergraduate coursework in computer organization and assembly language programming.*

*An overview that covers process management (processes and threads, process scheduling, and process synchronization and communication), memory management (main and virtual), storage management (file and I/O), and protection and security.*

CP01	Manoj Franklin	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 24, 2017</b>	
	MW 6:00pm - 8:40pm	JMP 2216
HT01	Manoj Franklin	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 24, 2017</b>	
	MW 6:00pm - 8:40pm	Location: TBA
SG01	Manoj Franklin	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 24, 2017</b>	
	MW 6:00pm - 8:40pm	Location: TBA
SM01	Manoj Franklin	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 24, 2017</b>	
	MW 6:00pm - 8:40pm	Location: TBA

## ENPM687

### Digital Forensics and Incident Responses

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Experience with both Windows and Unix-based operating systems, including using the command line. Credit only granted for: ENPM808P or ENPM687. Formerly: ENPM808P.*

*Students will implement a robust incident response methodology, including proper forensic handling of evidence, and cover legal aspects of national and international law regarding forensics. The bulk of the course covers evidence acquisition, preservation, analysis and reporting on multiple platforms.*



CP01	Kevin Shivers <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 20)  JMP 2217
CY01	Kevin Shivers <b>Meets May 30, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 20)  ONLINE
HT01	Kevin Shivers <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA
SG01	Kevin Shivers <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA
SM01	Kevin Shivers <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA

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**ENPM808**
**Advanced Topics in Engineering**

(PPerm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

CP01	George Syrmos <b>Meets May 30, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
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**ENPM808F**
**Advanced Topics in Engineering; Robot Learning**

Credits: 3      Grading Method: Regular,  
Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

Machine learning may be used to greatly expand the capabilities of robotic systems, and has been applied to a variety of robotic system functions including planning, control, and perception. This course will explore the application of machine learning techniques, paradigms, and control design to robotic systems, focusing primarily on key useful representations and model building techniques for application in non-stationary robotic systems.

CP01	Donald Sofge <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 17)  JMP 2120
FL01	Donald Sofge <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA
HT01	Donald Sofge <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA
SG01	Donald Sofge <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 5)  Location: TBA
SM01	Donald Sofge <b>Meets May 30, 2017 - August 18, 2017</b> Tu 5:30pm - 8:55pm	Seats (Total: 10)  Location: TBA

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## ENPM808I      **Advanced Topics in Engineering; Logistics**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

CP01	Rikin Thakker <b>Meets May 30, 2017 - August 18, 2017</b> Th 5:30pm - 8:45pm	Seats (Total: 25)  JMP 2217
DE01	Rikin Thakker <b>Meets May 30, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 25)  ONLINE

HT01	Rikin Thakker <b>Meets May 30, 2017 - August 18, 2017</b> Th 5:30pm - 8:45pm	Seats (Total: 5)  Location: TBA
SG01	Rikin Thakker <b>Meets May 30, 2017 - August 18, 2017</b> Th 5:30pm - 8:45pm	Seats (Total: 5)  Location: TBA
SM01	Rikin Thakker <b>Meets May 30, 2017 - August 18, 2017</b> Th 5:30pm - 8:45pm	Seats (Total: 5)  Location: TBA

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**ENPM808M      Advanced Topics in Engineering; System Engineering Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*Advanced topics selected by the faculty for students in the professional master of engineering program.  
May be taken for repeated credit when identified by topic title.*

CP01	Nidak Sumrean, John MacCarthy <b>Meets May 30, 2017 - July 24, 2017</b> MW 6:00pm - 8:40pm	Seats (Total: 17)  JMP 2120
DE01	Nidak Sumrean, John MacCarthy <b>Meets May 30, 2017 - July 24, 2017</b> Class time/details on ELMs	Seats (Total: 20)  ONLINE
HT01	Nidak Sumrean, John MacCarthy <b>Meets May 30, 2017 - July 24, 2017</b> MW 6:00pm - 8:40pm	Seats (Total: 5)  Location: TBA
SG01	Nidak Sumrean, John MacCarthy <b>Meets May 30, 2017 - July 24, 2017</b> MW 6:00pm - 8:40pm	Seats (Total: 5)  Location: TBA
SM01	Nidak Sumrean, John MacCarthy <b>Meets May 30, 2017 - July 24, 2017</b> MW 6:00pm - 8:40pm	Seats (Total: 5)  Location: TBA

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**ENRE447 Fundamentals of Reliability Engineering**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ENRE445 or ENRE447. Formerly: ENRE445.*

*Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.*

**Contact department for information to register for this course.**

**ENRE489K Special Topics in Reliability Engineering; Design for Reliability**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics of current importance in reliability engineering.*

ER01	Baldev Raheja	Seats (Total: 10)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWThF 9:00am - 12:00pm	Location: TBA
RE01	Baldev Raheja	Seats (Total: 10)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWThF 9:00am - 12:00pm	Location: TBA

**ENRE600 Fundamentals of Failure Mechanisms**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: ENMA698M, ENNU648M, or ENRE600.*

*Physical, chemical, and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real devices will also be presented. Problems related to manufacturing, and achieving quality and reliability will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory. The mathematical and statistical basis for analysis is presented as well as Failure Mode and Failure Analysis.*

**Contact department for information to register for this course.**

**ENRE602 Reliability Analysis**

Credits: 3                      Grading Method: Regular,  
Audit

*Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers.*

**Contact department for information to register for this course.**

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**ENRE620                      Mathematical Techniques of Reliability Engineering**

Credits: 3                      Grading Method: Regular,  
Audit

*Also offered as: ENNU620.*

*Basic probability and statistics. Application of selected mathematical techniques to the analysis and solution of reliability engineering problems. Applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to a wide range of reliability related problems.*

0201	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> MW 5:15pm - 9:00pm	Seats (Total: 20)  JMP 2222
ER02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE
HT02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> MW 5:15pm - 9:00pm	Seats (Total: 10)  Location: TBA
NE02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 10)  ONLINE
RE02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 5)  ONLINE
SG02	Mehdi Amiri Darehbidi <b>Meets July 10, 2017 - August 18, 2017</b> MW 5:15pm - 9:00pm	Seats (Total: 10)  Location: TBA

SM02	Mehdi Amiri Darehbidi	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 5:15pm - 9:00pm	Location: TBA

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## ENRE642 Reliability Engineering Management

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Unifying systems perspective of reliability engineering management. Design, development and management of organizations and reliability programs including: management of systems evaluation and test protocols, development of risk management-mitigation processes, and management of functional tasks performed by reliability engineers.*

ER01	Frederick Schenkelberg	Seats (Total: 15)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
RE01	Frederick Schenkelberg	Seats (Total: 10)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## ENRE648 Special Problems in Reliability Engineering

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*For students who have definite plans for individual study of approved problems. Credit given according to extent of work.*

**Contact department for information to register for this course.**

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## ENRE655 Advanced Methods in Reliability Modeling

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: ENRE602. Credit only granted for: ENRE655 or ENRE665. Formerly: ENRE665.*

*Bayesian methods and applications, estimation of rare event frequencies uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.*

**Contact department for information to register for this course.**

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## ENRE799 Master's Thesis Research

Credits: 1-6                      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**ENRE898                      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**ENRE899                      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**ENSE                      Systems Engineering                      Summer 2017**

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**ENSE699                      Directed Study in Systems Engineering**

(Perm req)                      Credits: 1-3                      Grading Method: Sat-Fail  
*Directed study in Systems Engineering.*  
**Contact department for information to register for this course.**

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**ENSE799                      Systems Engineering Thesis; Masters Thesis Research**

(Perm req)                      Credits: 5                      Grading Method: Regular  
*The application of systems engineering concepts, principles, and theories will be applied to the Master's Thesis project. Project/thesis work will be defined and selected early in student's program and supervised by a university faculty mentor.*

Contact Systems Engineering Office, Rm. 2172 A. V. Williams Bldg. to make arrangements.

0101	Michael Ball	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0102	John Baras	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0103	Mark Austin	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

0104	Guangming Zhang	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0106	Eyad Abed	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0107	Ben Shneiderman	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0112	Satyandra Gupta	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0114	Michael Fu	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0116	Jeffrey Herrmann	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0117	Raymond Adomaitis	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0119	Reza Ghodssi	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0122	David Lovell	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0123	Huan Xu	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	



0124	Alireza Khaligh	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0126	Pamela Abshire	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0127	William Rand	Seats (Total: 5)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0222	David Lovell	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0223	Huan Xu	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0229	Shihab Shamma	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## ENSP      Environmental Science and Policy      Summer 2017

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### ENSP101      Introduction to Environmental Science

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: PS      General Education: DSNS

*One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.*

0101	Annette Spivy	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWTh 10:00am - 11:45am		HBK 1108

### ENSP386      Internship

Credits: 3-6      Grading Method: Regular

*Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.*

**Contact department for information to register for this course.**

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**ENSP399 Special Topics in Environmental Science and Policy**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*A substantive and specialized examination of contemporary issues in environmental science or policy.*

0131	Jennifer Murrow	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0231	Jennifer Murrow	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**ENST Environmental Science and Technology Summer 2017**

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**ENST389 Internship**

(Perm req)      Credits: 3      Grading Method: Sat-Fail

*Credit will be granted for practical work carried out by students place in work environment related to their stated career goals. Students must do an in-depth study in some portion of the work experience and produce a special project or report related to this study. A student work log is also recommended. An evaluation from the external supervisor of the project will be required. Credit arranged with supervising faculty member.*

**Contact department for information to register for this course.**

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**ENST489 Field Experience**

(Perm req)      Credits: 1-4      Grading Method: Regular,  
Pass-Fail, Audit

*Planned field experience for both major and non-major students.*

**Contact department for information to register for this course.**

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**ENST499 Special Topics in Environmental Science and Technology**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

**Contact department for information to register for this course.**

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**ENST499P      Special Topics in Environmental Science and Technology; Ecology and Natural Resources Management in Brazil**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.*

SABZ	Peter May	Seats (Total: 10)
<b>Meets August 12, 2017 - August 25, 2017</b>		
Contact instructor or department for details.		

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**ENST608      Research Methods**

Credits: 1-4                      Grading Method: Regular,  
Audit

*Development of research viewpoint by detailed study and report on crop and soil research of the Maryland Agriculture Experiment Station or review and discussion of literature on specific agricultural problems or new research techniques.*

**Contact department for information to register for this course.**

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**ENST608A      Research Methods; Field Studies in Pedology**

Credits: 1                      Grading Method: Regular,  
Audit

*Development of research viewpoint by detailed study and report on crop and soil research of the Maryland Agriculture Experiment Station or review and discussion of literature on specific agricultural problems or new research techniques.*

**Contact department for information to register for this course.**

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**ENST689P      Special Topics; Ecology and Natural Resources Management in Brazil**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

**Contact department for information to register for this course.**

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**ENST799 Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENST898 Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENST899 Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**ENTM                      Entomology                      Summer 2017**

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**ENTM699 Advanced Entomology**

Credits: 1-6                      Grading Method: Regular, Audit

*Credit and prerequisites to be determined by the department. First and second semesters. Studies of minor problems in morphology, physiology, taxonomy and applied entomology, with particular reference to the preparation of the student for individual research.*

**Contact department for information to register for this course.**

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**ENTM735 Sustainability**

Credits: 3                      Grading Method: Regular

*Application of the concept of sustainability to both ecosystem services provided by beneficial insects, as well as the management of injurious insects. Ecological functions of insects in the natural and anthropogenic landscape will be illustrated and discussed. In addition, case histories and discussions will focus on themes of sustainability in successful IPM programs, as well as specific practices that lead to sustainable agriculture. The course will conclude with the development of a list of sustainable practices for conserving and managing insects in the landscape.*

PLE1	William Lamp	Seats (Total: 8)
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<b>Meets May 30, 2017 - August 18, 2017</b>
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Class time/details on ELMs	ONLINE
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<i>Restricted to students in the Professional Entomology Program.</i>
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**ENTM751****The History and Culture of Bees and Beekeepers**

Credits: 3

Grading Method: Regular

*An exploration of the history of beekeeping in culture and literature. A comparison of past and present beekeeping practices in different regions of the world will be highlighted.*

PLE1

Brian Dykstra

Seats (Total: 8)

**Meets May 30, 2017 - August 18, 2017**

Class time/details on ELMs

ONLINE

*Restricted to students in the Professional Entomology Program***ENTM789****Field Experience in Pest Management**

Credits: 1-6

Grading Method: Regular,  
Audit

*Involvement in practical problems of pest management in field situations. The student will be assigned to a problem area for intensive experience, usually during the summer. A final written report is required for each assignment.*

**Contact department for information to register for this course.****ENTM799****Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.****ENTM899****Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.****ENTS****Telecommunications****Summer 2017****ENTS699B****Independent Study in Telecommunications; Embedded Signal Processing**

(Perm req)

Credits: 3

Grading Method: Regular,  
Audit

*Individual instruction course. See ENTS program office for section number.*

Students work on an Embedded Signal Processing research project under the supervision of the instructor.

0101

Shuvra Bhattacharyya

Seats (Total: 5)

**Meets May 30, 2017 - August 18, 2017**

F 2:00pm - 5:15pm

AVW 1458

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**ENTS699R Independent Study in Telecommunications; Analytical Foundations of Telecommunications**

(Perm req)

Credits: 1

Grading Method: Regular,  
Audit*Individual instruction course. See ENTS program office for section number.*

HY21	Alejandra Mercado	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	F 5:30pm - 7:35pm	AVW 1458
	Class time/details on ELMs	ONLINE

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**EPIB Epidemiology and Biostatistics Summer 2017**

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**EPIB300 Biostatistics for Public Health Practice**Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. Restriction: Must be in Public Health Science program. Also offered as: HLTH300. Credit only granted for: EPIB300 or HLTH300.**An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.*

WB21	Raul Cruz-Cano	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE
<i>All course material is delivered online but the Midterm and Final Exams will be held in-person on Friday July 28 and Friday August 18, respectively, at the University of Maryland College Park Campus from 10:00 a.m. to 1:20 p.m.</i>		

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**EPIB301 Epidemiology for Public Health Practice**Credits: 3 Grading Method: Regular,  
Pass-Fail, Audit*Prerequisite: Minimum grade of C- in EPIB300. Restriction: Must be in one of the following programs (Community Health; Public Health Science). Also offered as: HLTH301. Credit only granted for: EPIB301 and HLTH301.**An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.*

WB11	Gretchen De Silva	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

## EPIB399

### Epidemiology and Biostatistics Independent Study

Credits: 1-3

Grading Method: Regular

*The EPIB undergraduate independent study is an opportunity for undergraduates from other departments in the SPH or the university to work with an Epidemiology and Biostatistics faculty member on research or special projects that are based out of EPIB.*

0103	Sunmin Lee	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Mei-Ling Lee	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Hongjie Liu	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Shuo Chen	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Olivia Carter-Pokras	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Robert Gold	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0109	Brit Saksvig	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0110	Cher Dallal	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0111	Xin He	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0112	Instructor: TBA	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0113	Typhanye Dyer	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0114	Natalie Slopen	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0115	Jing Zhang	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0116	Paul Turner	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0117	Amir Sapkota	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0118	Amy Sapkota	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0119	Donald Milton	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0120	Robin Puett	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	



0121	Sacoby Wilson	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0122	Robert Gold	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0203	Sunmin Lee	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Mei-Ling Lee	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Hongjie Liu	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0206	Shuo Chen	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0207	Olivia Carter-Pokras	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Robert Gold	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Brit Saksvig	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0210	Cher Dallal	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0211	Xin He	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0212	Instructor: TBA	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0213	Typhanye Dyer	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0214	Natalie Slopen	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0215	Jing Zhang	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0216	Paul Turner	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0217	Amir Sapkota	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0218	Amy Sapkota	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0219	Donald Milton	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0220	Robin Puett	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0221	Sacoby Wilson	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0222	Robert Gold	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## EPIB610

### Foundations of Epidemiology

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB300 placement exam. Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720.*

*Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.*

PLH1	Olivia Carter-Pokras	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health programs.</i>		
WB11	Olivia Carter-Pokras	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

## EPIB620

### Chronic Disease Epidemiology

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: EPIB610.*

*Overview of prevalence and risk factors for major chronic diseases. Discussion of methodological issues unique to specific chronic disease.*

WB11	Olivia Carter-Pokras	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**EPIB632      Field Epidemiology for Global Health Intervention**

Credits: 3                      Grading Method: Regular,  
   Audit

*The hard work and dedication for public health professionals in the United States and around the globe for more than 100 years has led to many important milestones. Some of which include: vaccination, motor-vehicle safety, safer workplaces, and safer and healthier foods, healthier mothers and babies and fluoridation of drinking water among many, many others. This course will utilize key success stories to highlight and emphasize the important role field epidemiology has filled in solving some of the most pressing health issues in the last 20 years.*

Prerequisite: EPIB610 and MIEH605; or instructor's permission.

GH01	Muhiuddin Haider, Steven Ault	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTh 5:00pm - 8:30pm	SPH 2234CC
	Class time/details on ELMs	ONLINE
HY11	Muhiuddin Haider, Steven Ault	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTh 5:00pm - 8:30pm	SPH 2234CC
	Class time/details on ELMs	ONLINE

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**EPIB650      Biostatistics I**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: EPIB300; or equivalent undergraduate statistics or biostatistics course with a grade of C- or higher; or a score of 70% or higher on EPIB placement exam. Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B.*

*Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.*

PLH1	Chengsheng Jiang	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
	<i>Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health programs.</i>	

WB21	Chengsheng Jiang	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**EPIB697      Public Health Data Management**

(Perm req)      Credits: 3      Grading Method: Regular

*Prerequisite: Permission of instructor.*

*This course is designed to provide students with the expertise needed to effectively manage research data using SAS as the statistical programming language.*

0201	Raul Cruz-Cano	Seats (Total: 12)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 4:00pm - 7:20pm	SPH 0227

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**EPIB785      Internship in Public Health**

(Perm req)      Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.*

*Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.*

I109	Graciela Jaschek	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
I209	Graciela Jaschek	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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**EPIB786      Capstone Project in Public Health**

(Perm req)      Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.*

*Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.*

**Contact department for information to register for this course.**

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**EPIB798**

**Independent Study**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Audit

*Master or doctoral students who desire to pursue special research problems under the direction of a faculty member of the department may register for 1-6 hours of credit under this number.*

**Contact department for information to register for this course.**

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**EPIB799**

**Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**EPIB898**

**Pre-Candidacy Research**

(Perm req)

Credits: 1-3

Grading Method: Regular

**Contact department for information to register for this course.**

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**EPIB899**

**Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**EXST**

**Office of Extended Studies**

**Summer 2017**

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**EXST001**

**Residential Package**

Credits: 0

Grading Method:

**Contact department for information to register for this course.**

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**EXST002**

**Commuter Package**

Credits: 0

Grading Method:

**Contact department for information to register for this course.**

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**EXST003**

**International Residential Package**

Credits: 0

Grading Method:

**Contact department for information to register for this course.**

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**EXST010**

**Hear Me Out! An Introduction to Public Speaking and Debate**

(Perm req)

Credits: 0

Grading Method:

YD41	Thomas McCloskey	Seats (Total: 25)
<b>Meets July 17, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 12:30pm		EDU 2102
<i>This is part of Terp Discovery. Enrollment by permission only.</i>		

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### EXST011

#### Designing Your Own Business

(Perm req)

Credits: 0

Grading Method:

YD41	Cait von Schnetlage	Seats (Total: 20)
<b>Meets July 17, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 12:30pm		TWS 0207
<i>This is part of Terp Discovery. Enrollment by permission only.</i>		

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### EXST014

#### Exploring Architecture

(Perm req)

Credits: 0

Grading Method:

YD41	Jason Winters	Seats (Total: 20)
<b>Meets July 17, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 12:30pm		ARC 1127
<i>This is part of Terp Discovery. Enrollment by permission only.</i>		

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### EXST016

#### Science Detectives: An Introduction to Forensic Science

(Perm req)

Credits: 0

Grading Method:

YD41	Kenneth Sossa	Seats (Total: 20)
<b>Meets July 17, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 12:30pm		HJP 1229
<i>This is part of Terp Discovery. Enrollment by permission only.</i>		

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### EXST017

#### Animal Biology

(Perm req)

Credits: 0

Grading Method:

YD41	Danielle Adams	Seats (Total: 20)
<b>Meets July 17, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 12:30pm		HJP 1226
<i>This is part of Terp Discovery. Enrollment by permission only.</i>		

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**EXST020      Modern Medicine**

Credits: 0      Grading Method:

YD41	Genevieve Houston-Ludlam	Seats (Total: 20)
<b>Meets July 17, 2017 - July 28, 2017</b>		
MTuWThF 9:00am - 12:30pm		HJP 1236
<i>This is part of Terp Discovery. Enrollment by permission only.</i>		

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**EXST075      Special Topic Seminar and Workshop**

Credits: 0      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**EXST076      Introduction to the Program**

Credits: 0      Grading Method:

**Contact department for information to register for this course.**

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**EXST210      Pedagogy and Second Language Acquisition**

Credits: 0      Grading Method:

**Contact department for information to register for this course.**

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**FILM      Film Studies      Summer 2017**

**FILM329B      Special Topics in National/International Cinemas; Forbidden Films: Global Perspective on Cinema Censorship**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.*



Also offered as SLLC368B. Credit granted for FILM329B or SLLC368B. In this online course, we will screen some of the most important films censored in different nations and cultures throughout the history of cinema. These films, censored, challenged, or banned on political, social, sexual, and religious grounds, will provide fascinating material to consider the relationship between culture and politics, morality and ideology. Films to be screened online may include *A Clockwork Orange* and *Paths of Glory* (Kubrick), *Peeping Tom* (Powell), *Crash* (Cronenberg), *Butterfly Kiss* (Winterbottom), *Farewell My Concubine* (Chen Kaige), *Kama Sutra : A Tale of Love* (Nair), *Fire* (Mehta), *Drunken Angel* (Kurosawa), *The Virgin Spring* (Bergman), *The Devils* (Russell), *Body of Evidence* (Edel), *The Moon is Blue* (Preminger), *A Streetcar Named Desire* (Kazan), *A Separation* (Farhadi), *All Quiet on the Western Front* (Milestone), and *God Created Women* (Vadim).

WB11	Jason Kuo	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

## FILM359G **Special Topics in Genres/Auteurs/Cinema Movements; The Road Movie**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Examine narrative cinema from the perspective of content (themes, issues, structures) and style through the lens of genre, auteurship (a concept of authorship in film studies), and/or historical aesthetic movements that have been influential in the development of cinema as an art and film studies as a field. Content varies.*

Also offered as SLLC 368G. Credit granted for SLLC 368G or FILM359G. The road movie, defined by W. Everett as "a fluid and open-ended genre which uses the narrative trajectory of road as an extended metaphor of quest and discovery through which to approach fundamental concepts of reality, should enlighten us about important modern and contemporary issues such as self-discovery, displacement, exile, border-crossing, and the interfaces between the national and supra-national identities. We will screen films from Argentina, Australia, Bhutan, Brazil, Canada, China, Czech Republic, France, Germany, India, Iran, Italy, Japan, Korea, Mexico, Poland, Russia, UK, US, and other countries, as well as several transnational co-productions. We will study some of the most well-known road movies in conjunction with critical readings.

WB21	Jason Kuo	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

## FMSC **Family Science**

**Summer 2017**

### FMSC111 **Credit Cards and College Students**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D.*

*Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.*

WB31	Jinhee Kim	Seats (Total: 40)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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**FMSC190      Man Up! Where Are The Fathers?**

Credits: 3      Grading Method: Regular

General Education: DSHS,  
SCIS

*An examination of changing fatherhood roles, health, and inequality in diverse families. Focus will be on masculinities and disparities among men by race and class; provider role expectations; and trauma and violence faced by men in contemporary society.*

WB31	Kevin Roy	Seats (Total: 40)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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**FMSC260      Couple Relationships**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS

*Credit only granted for: FMSC260 or FMST260. Formerly: FMST260.*

*Couple relationships and their alternatives in contemporary dating, courtship and marriage.*

WB21	Elise Resnick	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**FMSC280      Global, Child & Family Health: Getting There Via E-Communications**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
SCIS

*Credit only granted for: FMSC280 or FMSC289G. Formerly: FMSC289G.*

*Students will learn about global maternal, child and family health issues and how these issues may affect their lives. Interdisciplinary teams of students will collaborate to develop programs aimed at improving global family health through the use of information and communications technologies.*

WB41	Jacqueline Wallen	Seats (Total: 45)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE

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## FMSC310

### Maternal, Child and Family Health

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Credit only granted for: FMSC310, FMSC410 or FMSC498A. Formerly: FMSC498A and FMSC410. Additional information: A comprehensive understanding of maternal, child, and family health, with additional emphasis on environmental health, needs assessment and evaluation, enabling students to more effectively address issues in the workplace.*

*Overview of the major issues in Maternal, Child, and Family Health in the U.S. and the world. The course will cover the social, political, environmental, and economic factors that shape the health of women, children, and families throughout the life course. It will employ the core disciplines of public health -- 1) epidemiology/biostatistics, 2) environmental health, 3) health policy and administration, and 4) social and behavioral health -- to examine these factors. The course introduces specific issues and interventions and places these issues and interventions within their broad sociohistorical context.*

WB41	Diana Cassar-Uhl	Seats (Total: 35)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE

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## FMSC332

### Children in Families

Credits: 3                      Grading Method: Regular,                      General Education: DSHS  
Pass-Fail, Audit

*Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.*

*A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.*

WB11	Christine Schull	Seats (Total: 40)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

WB21	Deirdre Quinn	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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### FMSC341      **Personal and Family Finance**

Credits: 3      Grading Method: Regular,      General Education: DSSP  
Pass-Fail, Audit

*Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.*

*Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.*

WB11	William Knight	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
WB22	William Knight	Seats (Total: 33)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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### FMSC383      **Delivery of Human Services to Families**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department.  
Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.*

*Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.*

WB41	Amanda Berger	Seats (Total: 40)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	Class time/details on ELMs	ONLINE

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### FMSC386      **Experiential Learning**

(Perm req)      Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of SPHL-Family Science department. Restriction: Junior standing or higher. Credit only granted for: FMSC386 or FMST386. Formerly: FMST386.*

**Contact department for information to register for this course.**

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**FMSC399****Independent Study**

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

Individualized family and community studies projects of interest to student and faculty.

**Contact department for information to register for this course.**

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**FMSC425****Military and Veteran Family Services**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC425 or FMSC498W. Formerly: FMSC498W.*

*Overview of issues impacting contemporary military families including during times of war. Identification of challenges faced by military families related to deployment/reunion and mental and physical health, as well as support systems available. Examination of skills and strategies for working with service members, veterans, and military families.*

WB41	Patricia Fanflik	Seats (Total: 45)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMS		ONLINE

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**FMSC445****Sexuality: Issues in Family Therapy and Service Delivery**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: A basic course in human sexuality; and permission of instructor. Also offered as: FMSC645. Credit only granted for: FMSC445 or FMSC498T. Formerly: FMSC498T.*

*Typical, dysfunctional, and pathological sexual functioning, including effects on individuals, couples, and family systems. Sensitizes students to sexual issues, explores how perceptions of such issues affect work with people, and emphasizes implications for marriage and family therapy.*

0201	Norman Epstein	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
TuTh 9:30am - 12:50pm		Location: TBA

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**FMSC460****Violence in Families**

Credits: 3

Grading Method: Regular,  
Pass-Fail, AuditGeneral Education: DSHS,  
DVUP

*Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.*

*Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.*

WB31	Christine Schull	Seats (Total: 45)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

**FMSC477****Internship and Analysis in Family Science**

(Perm req)

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477.*

*A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.*

A planned, supervised internship complemented by analysis. Opportunities to integrate theory and practice. Field experience requires minimum of 120 hours per semester.

0101	Laura Golojuch	Seats (Total: 45)
<b>Meets May 30, 2017 - August 18, 2017</b>		
W 9:30am - 11:00am		SPH 0302
Contact instructor or department for details.		

**FMSC486****Impacts of Socialized Family Law, Public Health and Poverty on the Cuban Family**

Credits: 4

Grading Method: Regular

*Credit only granted for: FMSC486 or FMSC686. Additional information: This is a study abroad course which will primarily occur in Cuba. Additionally, the course involves an online component prior to and following the trip.*

*A comparison of family problems in a capitalist versus socialist society within the context of legal, public health, social, cultural and economic changes*

**Contact department for information to register for this course.**

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**FMSC487****Legal Aspects of Family Problems**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit*Credit only granted for: FMSC487 or FMST487. Formerly: FMST487.**Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.*

WB41	Kerry Tripp <b>Meets July 10, 2017 - July 28, 2017</b> Class time/details on ELMs	Seats (Total: 40)  ONLINE
WB51	Kerry Tripp <b>Meets June 19, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 40)  ONLINE
<i>To register for this course after June 6, 2016, e-mail <a href="mailto:summer@umd.edu">summer@umd.edu</a>.</i>		

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**FMSC498****Special Topics: Family Science**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit*Special course topics in family studies.*

Individual family studies instruction course on topics of interest to student and faculty.

**Contact department for information to register for this course.**

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**FMSC645****Sexuality: Issues in Family Therapy and Service Delivery**

Credits: 3

Grading Method: Regular,  
Audit*Prerequisite: Must have completed a basic course in human sexuality. Restriction: Permission of instructor. Credit only granted for: FMSC645 or FMST645. Formerly: FMST645.**Typical, dysfunctional, and pathological sexual functioning: effects on individuals, couples, and family systems. Sensitizes students to sexual issues, explores how perceptions or such issues affect work with people, and emphasizes implications for marriage and family therapy.*

0201	Norman Epstein <b>Meets July 10, 2017 - August 18, 2017</b> TuTh 9:30am - 12:50pm	Seats (Total: 20)  Location: TBA
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## Clinical Marriage and Family Therapy Practice

Credits: 3      Grading Method: Regular, Audit

*Application of theory and technique to the clinical practice of marriage and family therapy. Emphasis on case management and clinic administration. Includes completion of 12 successive months and 500 hours of supervised, direct client contact with couples, families, and individuals from an integrative family systems perspective.*

0101	Patricia Barros <b>Meets May 30, 2017 - July 7, 2017</b> M 8:00am - 4:30pm	Seats (Total: 15)  Location: TBA
0201	Patricia Barros <b>Meets July 10, 2017 - August 18, 2017</b> M 8:00am - 4:30pm	Seats (Total: 15)  Location: TBA

## Supervised Clinical Practice of Marriage and Family Therapy

Credits: 1-2      Grading Method: Regular, Audit

Prerequisite: FMSC650 and Permission of Instructor.

0101	Patricia Barros <b>Meets May 30, 2017 - July 7, 2017</b> W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15)  Location: TBA
0201	Patricia Barros <b>Meets July 10, 2017 - August 18, 2017</b> W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15)  Location: TBA

## Impacts of Socialized Family Law, Public Health and Poverty on the Cuban Family

Credits: 4      Grading Method: Regular



*Credit only granted for: FMSC486 or FMSC686. Additional information: This is a study abroad course which will primarily occur in Cuba. Additionally, the course involves an online component prior to and following the trip.*

*A comparison of family problems in a capitalist versus socialist society within the context of legal, public health, social, cultural and economic changes*

**Contact department for information to register for this course.**

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**FMSC689      Research Internship**

(Perm req)

Credits: 3                      Grading Method: Regular

*Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.*

Internship related to student's chosen specialization.

**Contact department for information to register for this course.**

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**FMSC698      Advanced Topics in Family Science**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Arranged group study on specific topic which may vary from term to term.*

**Contact department for information to register for this course.**

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**FMSC698V      Advanced Topics in Family Science; Violence in Families**

Credits: 3                      Grading Method: Regular,  
Audit

*Arranged group study on specific topic which may vary from term to term.*

WB31	Christine Schull	Seats (Total: 45)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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**FMSC699      Independent Study**

Credits: 1-6                      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**FMSC789      Non-Thesis Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Non-thesis option research papers.*

**Contact department for information to register for this course.**

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**FMSC799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**FMSC899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**FREN      French      Summer 2017**

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**FREN103      Intensive Elementary French**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.*

*Covers speaking, reading, writing, listening, and culture of French-speaking world.*

WB11	Julie Ledon	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
<i>This online section will be partially synchronous. Meeting times will be discussed the first day of class.</i>		

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**FREN203      Intensive Intermediate French**

Credits: 4      Grading Method: Regular,      CORE: HO  
Pass-Fail, Audit

*Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203.*

*Covers speaking, reading, writing, listening, and culture of French-speaking world.*

WB11	Morgan McMahon <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE
WB21	Cae Joseph-Massena <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE

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## **FREN204 French Grammar and Composition**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HO

*Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French.*

*Intensive study of French grammar and composition.*

WB11	Francesca Roth <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 15)  ONLINE
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## **FREN211 French Reading and Conversation**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HO

*Prerequisite: FREN201 or FREN203. Restriction: Must not be a native/fluent speaker of French.*

*Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.*

**Contact department for information to register for this course.**

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## **FREN269A Special Topics in Study Abroad II; French Songs**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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## **FREN269F Special Topics in Study Abroad II; French Conversation I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN269G      Special Topics in Study Abroad II; French Conversation**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**FREN301      Composition and Style**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.*

*Grammatical analysis, elements of style; range of written genres.*

WB21	Charlee Redman	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

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**FREN311      Advanced Oral Expression**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.*

*Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.*

**Contact department for information to register for this course.**

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**FREN312      France Today**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.*

*Analysis and discussion of current events and institutions using various French media resources.*

**Contact department for information to register for this course.**

**FREN369F Special Topics in Study Abroad III; Third-Year French I**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**FREN369G Special Topics in Study Abroad III; Third-Year French II**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**FREN369I Special Topics in Study Abroad III; Third-Year French I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**FREN369Y Special Topics in Study Abroad III; Fourth-Year French I**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**FREN399X Directed Study in French: French Language and Culture on the Mediterranean**

Credits: 3      Grading Method: Regular

*Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.*

**Contact department for information to register for this course.**

**FREN401      Writing with Style**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: FREN301; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Advanced composition and stylistic analysis.*

**Contact department for information to register for this course.**

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**FREN899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

0101	Valerie Orlando	Seats (Total: 1)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**GEOG      Geographical Sciences      Summer 2017**

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**GEOG110      The World Today: Global Perspectives**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHS, DVUP

*The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.*

WB11	Byron Marroquin	Seats (Total: 40)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
WB21	Vanessa Kirn	Seats (Total: 35)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**GEOG130      Developing Countries**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DSSP

*An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.*

0601	Ronald Luna	Seats (Total: 24)
<b>Meets July 31, 2017 - August 18, 2017</b>		
MTuWTh 9:00am - 12:30pm	LEF 1171	

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**GEOG140      Natural Disasters: Earthquakes, Floods, and Fires**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS, SCIS

*Catastrophic Environmental Events (CCE) that are becoming more common i this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.*

0101	Keith Yearwood	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 1:00pm - 4:30pm	WDS 1114	
0201	Quentin Stubbs	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MW 1:00pm - 4:30pm	LEF 1220	

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**GEOG158G      Special Topics in Study Abroad I; The Geography of Grenada**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GEOG202      Introduction to Human Geography**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DVCC

*Introduction to what geographers do and how they do it. Systematic stud of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?*

WB11	Jennifer Hinojosa	Seats (Total: 55)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
WB21	Joy Adams	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## GEOG212 Career Planning for Geographical Sciences, GIS, and ENSP Majors

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in one of the following programs (Geography; GEOG-GIS & Computer Cartography).*

*Increase student knowledge of professional development opportunities in Geographical Sciences through classroom activities and invited speakers, and to build awareness of career development tools and strategies.*

WB21	Amanda Hall	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE      Lab

## GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences

Credits: 3      Grading Method: Regular,      General Education: FSAR  
Pass-Fail, Audit

*Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.*

This course has a \$40 lab fee.

WB11	Naijun Zhou	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 6:00pm - 9:45pm	ONLINE



WB21	Amanda Hall	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MW 6:00pm - 9:45pm		ONLINE

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**GEOG328M      Topics in Regional Geography; Geography of the Southern Caribbean**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics in regional geography.*

**Contact department for information to register for this course.**

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**GEOG328P      Topics in Regional Geography; The Geography of Puerto Rico**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Selected topics in regional geography.*

**Contact department for information to register for this course.**

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**GEOG330      As the World Turns: Society and Sustainability in a Time of Great Change**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      DVUP, SCIS

*Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.*

*Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.*

WB31	Rachel Berndtson	Seats (Total: 50)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE
WB41	Byron Marroquin	Seats (Total: 50)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE
WB42	Rachel Berndtson	Seats (Total: 25)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE

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**GEOG340      Geomorphology**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.*

0101

Keith Yearwood

Seats (Total: 20)

**Meets May 30, 2017 - July 7, 2017**

TuTh 1:00pm - 4:30pm

KEY 0121

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**GEOG358A      Special Topics in Study Abroad III; Croatia: At the Doorsteps of the European Union- Leaving Behind the Memories**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GEOG358B      Special Topics in Study Abroad III; Investigating the Geographical Impacts of Urbanization in China**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GEOG358C      Special Topics in Study Abroad III; China: Summer Honors Research Program**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GEOG358D      Special Topics in Study Abroad III; Croatia: From War and Communism to the EU Membership**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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## Remote Sensing

*Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.*

This course has a \$40 lab fee.

0101	Dongdong Wang	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 2:30pm - 4:00pm	LEF 1158
	MW 4:00pm - 6:00pm	LEF 1138      Lab

## Geographic Information Systems

*Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.*

There is a \$40 lab fee for this course.

0201	Naijun Zhou	Seats (Total: 25)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 10:30am - 12:00pm	LEF 1158	
	MW 12:00pm - 2:00pm	LEF 1138	Lab
WB11	Rachel Marks	Seats (Total: 50)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	TuTh 6:00pm - 9:30pm	ONLINE	
WB21	Nathan Burtch	Seats (Total: 50)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 6:00pm - 9:30pm	ONLINE	

# Introduction to Computer Programming for GIS

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in MATH120, MATH130, or MATH140; or must have completed MATH220. And GEOG373; or permission of BSOS-Geography department.*

*Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).*

Students must pay a \$40.00 laboratory materials fee.

WB21	Ruibo Han	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 6:00pm - 9:30pm	ONLINE

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#### **GEOG384 Internship in Geography I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390).*

*Restriction: Must be in Geography program.*

*Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

**Contact department for information to register for this course.**

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#### **GEOG384H Internship in Geography I**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390).*

*Restriction: Must be in Geography program.*

*Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0201	Ronald Luna	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**GEOG385 Internship in Geography II**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.*

*Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

**Contact department for information to register for this course.**

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**GEOG385H Internship in Geography II**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.*

*Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.*

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Rachel Berndtson	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**GEOG398 Special Topics in Geography**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An introductory course dealing with special topics in geography.*

0110	Ronald Luna	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0210	Ronald Luna	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0220	Giovanni Baiocchi	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## **GEOG398H Special Topics in Geography**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*An introductory course dealing with special topics in geography.*

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 1)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Rachel Berndtson	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## **GEOG475 Computer Cartography**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GEOG373 and GEOG306. Credit only granted for: GEOG471 or GEOG475. Formerly: GEOG471.*

*Advanced skills of computer mapping using more sophisticated software packages. Map projection evaluation and selection, coordinate system conversion, techniques of quantitative thematic mapping, map design and generalization, hypermedia and animated cartography. Emphasis on designing and making cartographically sound sophisticated thematic maps.*

WB21	Naijun Zhou	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MW 6:00pm - 9:30pm		ONLINE

### GEOG498 Topical Investigations

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study under individual guidance.*

**Contact department for information to register for this course.**

### GEOG498H Topical Investigations

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study under individual guidance.*

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Rachel Berndtson	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

### GEOG579 Introduction to Remote Sensing and GIS; Introduction to GIS

Credits: 2      Grading Method: Regular

*Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.*

Additionally, special advanced students are eligible to register without department permission.

GI01	Jose Teodoro Morales	Seats (Total: 20)
<b>Meets June 8, 2017 - July 20, 2017</b>		
M 5:30pm - 8:00pm		LEF 2166
Tu 5:30pm - 8:00pm		LEF 2166      Lab

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**GEOG579B Introduction to Remote Sensing and GIS; Introduction to Remote Sensing**

Credits: 2                      Grading Method: Regular

*Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.*

Additionally, special advanced students are eligible to register without department permission.

GI01	Jie Zhang	Seats (Total: 25)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	W 5:30pm - 8:00pm	LEF 2166	
	Th 5:30pm - 8:00pm	LEF 2166	Lab

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**GEOG579C Introduction to Remote Sensing and GIS; Introduction to Computer Programming**

Credits: 2                      Grading Method: Regular

*Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.*

Additionally, special advanced students are eligible to register without department permission.

GI01	Jonathan Resop	Seats (Total: 25)	
	<b>Meets June 5, 2017 - July 14, 2017</b>		
	M 5:30pm - 8:00pm	LEF 1171	
	Tu 5:30pm - 8:00pm	LEF 1171	Lab

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**GEOG603 Masters Research Tutorial**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG603 or GEOG610. Formerly: GEOG610.*

*Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.*

**Contact department for information to register for this course.**



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**GEOG651****Spatial Statistics**

Credits: 3                      Grading Method: Regular

*Prerequisite: GEOG615; or students who have taken courses with comparable content may contact the department. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.*

*This course is about quantitative analysis of spatial data. It is intended to provide a broad survey of various methods of exploratory statistical data analysis most useful in environmental and social sciences. The course is a mix of theory, methods, and applications geared towards helping students: (1) develop an understanding of the important theoretical concepts in spatial data analysis; and (2) gain practical experience in application of spatial statistics to a variety of social and environmental problems using advanced statistical software.*

**Contact department for information to register for this course.**

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**GEOG656****Programming and Scripting for GIS**

Credits: 3                      Grading Method: Regular

*Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.*

*An introduction to programming and scripting for intermediate GIS users. The fundamental concepts of computer programming will be introduced within the Geoprocessing framework in ArcGIS primarily using Python. Basic concepts of object-oriented programming and scripting will be presented. Students will develop skills in programming techniques to explore, manipulate and model spatial data using the Geoprocessor methods.*

GI01	Jonathan Resop	Seats (Total: 20)	
	<b>Meets June 5, 2017 - August 11, 2017</b>		
	W 5:30pm - 8:00pm	LEF 1171	
	Th 5:30pm - 8:00pm	LEF 1166	Lab

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**GEOG788****Selected Topics in Geography**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Readings and discussion on selected topics in the field of geography.*

**Contact department for information to register for this course.**

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**GEOG788A****Selected Topics in Geography; Open Source GIS**

Credits: 3                      Grading Method: Regular

*Readings and discussion on selected topics in the field of geography.*

GI01	Baboyma Kagniniwa	Seats (Total: 25)
	<b>Meets June 5, 2017 - August 11, 2017</b>	
	W 5:30pm - 8:00pm	KEY 1117
	Th 5:30pm - 8:00pm	LEF 1138      Lab
	<i>Additionally, special advanced students are eligible to register without department permission.</i>	

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**GEOG788M      Selected Topics in Geography; Programming and Scripting for GIS**

Credits: 3      Grading Method: Regular

*Readings and discussion on selected topics in the field of geography.*

Prerequisite: permission of instructor.

0101	Jonathan Resop	Seats (Total: 5)
	<b>Meets June 5, 2017 - August 11, 2017</b>	
	W 5:30pm - 8:00pm	LEF 1171
	Th 5:30pm - 8:00pm	LEF 1171      Lab

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**GEOG789      Independent Readings**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*Independent reading as arranged between a graduate faculty member and graduate student.*

Contact department to make arrangements.

**Contact department for information to register for this course.**

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**GEOG790      Internship in Geography**

(Perm req)

Credits: 3      Grading Method: Regular,  
Audit

*Field experience in the student's specialty in a Federal, state, or local agency or private business.  
Research paper required.*

Contact department to make arrangements.

**Contact department for information to register for this course.**

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**GEOG795      Professional Practices Seminar**

Credits: 1                      Grading Method: Regular,  
Audit

*Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program.*

*Development and preparation of a resume, selecting and helping referenc writers, conducting successful interviews, negotiating an employment package, giving professional presentations, proposal prepartion, writing reports, codes of ethics and responsibilities. Presentations from practitioners in GIS field. Basic project management skills and strategies in preparation for professional project.*

**Contact department for information to register for this course.**

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**GEOG796                      GIS Project Management**

Credits: 3                      Grading Method: Regular

*Prerequisite: GEOG653, GEOG652, and GEOG606. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program. Credit only granted for: GEOG796 or INFM706. Formerly: INFM706.*

*Project management methodology is covered, emphasizing implementing and integrating GIS into broader projects. Topics include project initiation, planning, scope, scheduling, budgeting and risk management.*

**Contact department for information to register for this course.**

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**GEOG799                      Master's Thesis Research**

(Perm req)

Credits: 1-6                      Grading Method: Regular

**Contact department for information to register for this course.**

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**GEOG898                      Pre-Candidacy Research**

(Perm req)

Credits: 1-8                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**GEOG899                      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**GEOL                      Geology**

**Summer 2017**

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**GEOL100                      Physical Geology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSNL (if  
taken with GEOL110)

*Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110.*

*A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.*

0101	Tracey Centorbi	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 9:30am - 10:50am	PLS 1176

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**GEOL499 Special Problems in Geology**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.*

**Contact department for information to register for this course.**

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**GEOL798 Seminar in Geology**

Credits: 1-3      Grading Method: Regular,  
Audit

*Discussion of special topics in current literature in all phases of geology.*

**Contact department for information to register for this course.**

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**GEOL799 Master's Thesis Research**

Credits: 1-4      Grading Method: Regular

**Contact department for information to register for this course.**

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**GEOL898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**GEOL899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**GERM103 Intensive Elementary German**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103.*

*Covers speaking, reading, writing, listening, and culture of German-speaking world.*

WB11	Regina Ianozi	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**GERM203 Intensive Intermediate German**

Credits: 4                      Grading Method: Regular                      CORE: HO

*Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203.*

*Covers speaking, reading, writing, listening, and culture of German-speaking world.*

WB21	Regina Ianozi	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**GERM269A Special Topics in Study Abroad II; Elementary German I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM269B Special Topics in Study Abroad II; Elementary German II**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM301**      **Conversation and Composition I: The German-Speaking World**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department.*

*Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts in the German-speaking world.*

**Contact department for information to register for this course.**

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**GERM302**      **Conversation and Composition II: Current Topics in German-Speaking Society**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.*

*Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.*

**Contact department for information to register for this course.**

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**GERM369C**      **Special Topics in Study Abroad III; German Composition I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**GERM369D**      **Special Topics in Study Abroad III; German Composition II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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<b>GVPT</b>	<b>Government and Politics</b>	<b>Summer 2017</b>
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<b>GVPT100</b>	<b>Scope and Methods for Political Science Research</b>		
Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSSP
<i>An introduction to empirical research in political science.</i>			

WB11	Ted Plettner	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

## GVPT170

### American Government

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS

*A comprehensive study of national government in the United States.*

WB21	Kelsey Hinchliffe	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
YS41	Catherine Kane	Seats (Total: 8)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 10:00am - 12:50pm	TYD 1111
	<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>	

## GVPT200

### International Political Relations

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DVUP

*A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.*

WB21	Hyo Joon Chang	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
YS41	Caitlin McCulloch	Seats (Total: 23)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 10:00am - 1:00pm	TYD 1118
	<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>	

## GVPT241

### The Study of Political Philosophy: Ancient and Modern

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Restriction: Must be in Government & Politics program; or must be in Government & Politics: International Relations program.*

*Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.*

WB11	James Glass	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**GVPT258B Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approve study abroad program.*

**Contact department for information to register for this course.**

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**GVPT258C Introduction to Political Science Topics in Study Abroad; Government and Politics in China**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science taken as part of an approve study abroad program.*

**Contact department for information to register for this course.**

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**GVPT280 The Study of Comparative Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT100.*

*An introduction to the comparative study of politics and governance, including the analytical concepts for studies of politics and a survey of the major types of regimes, including democratic and authoritarian/communist regimes.*

WB21	Mary Schneider	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**GVPT282 Politics and the Developing World**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      DVUP



*A study of the domestic governmental institutions; processes and problems such as conflict and economic development; and the socio-economic environments that are common to developing countries of Africa, the Middle East, Asia, and Latin America.*

WB11	Stephen Arves	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**GVPT306      Global Environmental Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT200.*

*Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.*

WB11	Jennifer Wallace	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**GVPT309M      Topics in International Relations; Egypt and Israel**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in international relations.*

**Contact department for information to register for this course.**

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**GVPT309N      Topics in International Relations; Scandinavia: Political Conflict: Past, Present and Future**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in international relations.*

**Contact department for information to register for this course.**

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**GVPT309R      Topics in International Relations; Human Rights and World Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in international relations.*

WB21	Marjorie Breslawski	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**GVPT309T      Topics in International Relations; From Tweets to Terror: Cybersecurity, the Internet and Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in international relations.*

WB11	David Prina	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**GVPT309X      Topics in International Relations; Conflict Resolution - The Israeli Palestinian Experiment**

Credits: 3                      Grading Method: Regular,                      General Education: DSHS,  
Pass-Fail, Audit                      DVUP

*The study of topics in international relations.*

Also offered as ISRL349X. Credit offered for GVPT309X or ISRL349X. This interactive course provides contending and shared perspectives of the cycles of war and peacebuilding with simulations. Topics include common ground on Jerusalem, Palestinian refugees, Jewish settlements, water, borders and security. Professor Kaufman has been Director of both the Truman Institute for the Advancement of Peace (Hebrew University of Jerusalem) and the Center for International Development and Conflict Management (UMD). He is concurrently teaching in Israel. Professor Hassassian has been Dean and Vice-President of Bethlehem University and is currently Palestinian Ambassador to the United Kingdom. For more information, contact kaufmane@umd.edu. Course preview is available on YouTube and internet: search for 'Israeli Palestinian Team Teaching'.

0501	M. Hassassian, Edward Kaufman	Seats (Total: 30)
<b>Meets June 19, 2017 - July 7, 2017</b>		
MTuWTh 6:00pm - 9:25pm		TYD 2110
WB51	M. Hassassian, Edward Kaufman	Seats (Total: 40)
<b>Meets June 19, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**GVPT331      Courts, Law and Justice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: GVPT170.*

*An introductory course to the study of law with emphasis on how lawyers and judges think and argue. Topics include, contract law, property, family law, torts, and criminal procedure.*

WB11	Heather Hicks	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**GVPT358A Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

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**GVPT358M Study Abroad Seminar in Political Science; Conflict and Peace in the Mediterranean**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in political science.*

**Contact department for information to register for this course.**

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**GVPT359C Topics in Comparative Politics; Gender and Politics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in comparative politics.*

Also offered as WMST498Q. Credit granted for GVPT359C or WMST498Q.

WB21	Noa Balf	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**GVPT359E Topics in Comparative Politics; Ethnicity, Nationalism, and Conflict**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The study of topics in comparative politics.*

WB21	Brandon Ives	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**GVPT386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.*

**Contact department for information to register for this course.**

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**GVPT388      Topical Investigations**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent research and writing on selected topics in government and politics.*

**Contact department for information to register for this course.**

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**GVPT388A      Topical Investigations; Film and the Study of Politics of Terror in the Family and the State**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent research and writing on selected topics in government and politics.*

GVPT388A is an online course that looks at the dynamics of power, terror and violence through the medium of film. We see films that highlight three levels of human relationships: the self, the group and the state. How does terror affect the self (for example the films *Black Swan* and *Shutter Island*); how does terror affect the group (for example, the films *Hotel Rwanda* and *City of God*); and how does terror affect the state (for example, the films *District 9* and *Munich*). Students have six weeks to complete the course; but you can at your own pace, complete the course sooner.

WB11	James Glass	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**GVPT388W      Topical Investigations; Experiential Learning: Maryland, Public Policy and Beyond**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Independent research and writing on selected topics in government and politics.*

WB21	Charles Hunt	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**GVPT389      Experiential Learning II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Experiential credit for working in government & politics related internships, research, and teaching opportunities.*

**Contact department for information to register for this course.**

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**GVPT399B      Seminar in Government and Politics; Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT399J      Seminar in Government and Politics; Global Change, Global Cooperation, Global News**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT399Q      Seminar in Government and Politics; Security and Defense Policy in the European Union**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.*

**Contact department for information to register for this course.**

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**GVPT849      Readings in Government and Politics**

Credits: 3      Grading Method: Regular, Audit

*Guided readings and discussions on selected topics in political science*

**Contact department for information to register for this course.**

## GVPT898 Pre-Candidacy Research; Pre-Candidacy Research

Credits: 1-3      Grading Method: Regular, Satisfactory, Fail

*Guided readings and discussions on selected topics in political science.*

**Contact department for information to register for this course.**

## GVPT899 Doctoral Dissertation Research

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

**HACS      ACES-Cybersecurity      Summer 2017**

**HACS208F Seminar in Cybersecurity: A Global Perspective on Security: France**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.*

**Contact department for information to register for this course.**

## HACS279 Undergraduate Research in Cybersecurity

(Perm req) Credits: 1-3 Grading Method: Regular

*The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.*

**Contact department for information to register for this course.**

## HACS287 Undergraduate Research in Cybersecurity

(Perm req) Credits: 3 Grading Method: Regular General Education: DSSP

*Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.*

*The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.*

**Contact department for information to register for this course.**

## HACS297

### Cybersecurity Experience Reflection

Credits: 3                      Grading Method: Regular

*Restriction: Must be a student in the ACES (Advanced Cybersecurity Experience for Students) Living-Learning Program; and permission of UGST-HCOL-ACES Cybersecurity Program.*

*Cybersecurity experience is defined as an experiential learning activity either with a University of Maryland entity (such as the Division of Information Technology, the ACES competition team or in an ACES outreach program), or with an external organization that will provide valuable, hands-on experience to supplement the knowledge learned in the other ACES coursework.*

WB11	Rebecca Thomas	Seats (Total: 20)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## HACS479

### Undergraduate Research in Cybersecurity

Credits: 1-3                      Grading Method: Regular

*The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.*

**Contact department for information to register for this course.**

## HEBR

## Hebrew

## Summer 2017

### HEBR298O

#### Special Topics in Jewish Studies; Jewish Languages in America

Credits: 3                      Grading Method: Regular,                      General Education: DSHU,  
Pass-Fail, Audit                      DVCC

Also offered as JWST219O. Credit granted for JWST219O or HEBR298O. Students will explore the history and current use of a variety of and dialects in the American Jewish community. They will analyze how affects identity and the relationships to the majority group, as well as within the cultural group.

WB11	Avital Karpman	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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## HESIHigher Ed, Student Affairs, and International Ed PolicySummer 2017

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### HESI217 Introduction to Student Leadership

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Restriction: Freshman standing; or sophomore standing. Credit only granted for: HESI217 or EDCP217. Formerly: EDCP217.*

*Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application.*

Students must pay a \$32 materials fee.

0401	Romina da Costa	Seats (Total: 25)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWTh 9:00am - 12:15pm	TYD 2110

### HESI318A Applied Contextual Leadership; Leadership and Film

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

This online course asks students to think about leadership in a new way by finding leadership lessons from film. Students will watch a number of films (including some documentaries) and connect each of the films to leadership readings and personal experience.

WB11	Melissa Rocco	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

### HESI318C Applied Contextual Leadership; The Principles of Personal Excellence (Personal Leadership)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit



*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

This course introduces students to a holistic framework for the development of personal effectiveness and peak performance. Students will review principles, processes, and practices used by peak performers in many life disciplines.

WB21	Bruce Jackson	Seats (Total: 15)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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### **HESI318W      Applied Contextual Leadership; Leadership and the Workplace**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.*

This on-line course will use a variety of readings and discussion pieces to have students critically examine concepts of leadership in the world of work. Students must be employed or intern (full-time or part-time) during the Summer 2015 semester and must have a workplace that they visit on a regular basis, as they will be asked to connect course concepts to actual workplace experiences and will bring in workplace documents to the discussion. Internships may count toward this requirement.

WB11	Kristen Rupert	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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### **HESI418      Special Topics in Leadership**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.*

**Contact department for information to register for this course.**

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### **HESI418T      Special Topics in Leadership; Technology Beyond Borders: Service-Learning and Leadership across Cultural, Ethnic and Community Lines**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.*

**Contact department for information to register for this course.**

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## **HESP      Hearing and Speech Sciences      Summer 2017**

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### **HESP150      Introduction to Language Science**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Language science is the scientific study of how humans acquire, use, comprehend, and produce language. Most people in all societies learn and use their native language or languages with apparent ease - but don't be fooled: languages are highly complex, and speaking and understanding language requires some amazing feats of mental acrobatics. Thus there are many opportunities for difficulties with language, which is the focus of our field. Understanding difficulties with speech, language, and hearing require first understanding how processing works when language is successful - the psychological (behavioral) and neurobiological (brain) factors that enable people to learn and use language despite its intricacies, the structure and properties of language itself, and how knowledge of language is acquired, represented, and processed in the mind and brain.*

WB11	Fathima Zuhurudeen	Seats (Total: 25)
<b>Meets June 5, 2017 - July 14, 2017</b>		
Contact instructor or department for details.		

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### **HESP202      Introduction to Hearing and Speech Sciences**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.*

WB11	Irina Kachinske	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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### **HESP307      Speech & Hearing Science**

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HESP303.*

*Human hearing is exquisitely sensitive, allowing us to hear extremely faint sounds, to follow the sounds of a friend's voice in a loud party, and to appreciate subtle differences between words in the language. This course provides an introduction to the basic physics of sound, the acoustic properties of the sounds of speech, and the mechanisms by which those sounds are perceived by the listener.*

PBH1	Julie Cohen	Seats (Total: 30)
<b>Meets May 22, 2017 - August 11, 2017</b>		
M 6:00pm - 9:00pm		TWS 1321
Class time/details on ELMs		ONLINE      Discussion
<i>Restricted to students in the Hearing and Speech Sciences In The Evening.</i>		

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### **HESP311      Anatomy, Pathology and Physiology of the Auditory System**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.*

*Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.*

0101	Jaclyn Schurman	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 9:00am - 12:25pm		LEF 0104A

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### **HESP313      Neurobiology for Speech and Hearing**

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*This course is designed to provide an understanding of normal neuroanatomy and neurophysiology of speech and language. It will also provide preliminary information regarding pathologic processes, especially those affecting speech and language*

PBH1	Melissa Stockbridge	Seats (Total: 30)
<b>Meets May 22, 2017 - August 11, 2017</b>		
W 6:00pm - 8:15pm		TWS 1321
<i>Restricted to students in the Hearing and Speech Sciences In The Evening.</i>		

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### **HESP386      Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.*

*Students will have the opportunity observe and/or participate in therapy activities provided by a speech-language pathologist or audiologist in this experiential learning course.*

**Contact department for information to register for this course.**

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**HESP388**

**Undergraduate Research Externship**

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Off-campus research internship with departmental affiliates at National Institutes of Health and regional universities. Contact department chairman for openings and descriptions of eligible placements.*

**Contact department for information to register for this course.**

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**HESP389**

**LEAP Classroom Internship**

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Participation in a language-based, literacy-rich preschool classroom for children with speech-language disorders. Students will learn behavior management techniques, curriculum planning and implementation, facilitation of play among children, data collection and teaching strategies.*

**Contact department for information to register for this course.**

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**HESP499**

**Independent Study**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*A directed study of selected topics pertaining to human communication and its disorders.*

**Contact department for information to register for this course.**

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**HESP625**

**Dysphagia**

Credits: 2

Grading Method: Regular

*Restriction: Permission of BSOS-Hearing & Speech Sciences department; or must be in Hearing and Speech Sciences: M.A. (Master's) program.*

*Nature and clinical management of dysphagia as it pertains to different clinical settings for adult and pediatric populations.*

0101	Yvette McCoy	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 11:00am - 1:30pm	SQH 2120

## **HESP627      Augmentative and Alternative Communication**

Credits: 2                      Grading Method: Regular

*Recommended: Prior knowledge of Communication and its Disorders is required. Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639R or HESP627.*

*Principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication.*

An online course designed to provide an introduction to the principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication (AAC) systems for persons with complex communication needs. All other course work is web online.

WB41	Tonya Williams-Walker	Seats (Total: 25)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	Class time/details on ELMs	ONLINE

## **HESP634      Anatomy and Physiology of the Auditory and Vestibular Systems**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed or be concurrently enrolled in HESP311, HESP407, and HESP411; or permission of instructor. Additional information: Fills a requirement for the Doctoral Program in Clinical Audiology (CAUD). Open to students in other graduate programs, especially NACS.*

*Comprehensive examination of the anatomy and physiology of the peripheral as well as the central auditory and vestibular systems. Both afferent and efferent pathways will be considered. Applications of basic auditory neuroscience to contemporary clinical audiology practice will be highlighted.*

0201	Matthew Goupell	Seats (Total: 15)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 3:30pm - 6:00pm	LEF 1201

## **HESP635      Aural Rehabilitation/Habilitation**

Credits: 3                      Grading Method: Regular,  
Audit

*Principles, methods and procedures for aural rehabilitation/habilitation in children and adults.*

0101	Keena Seward	Seats (Total: 27)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 3:15pm - 6:30pm	SQH 2120
	<i>Recommended for Au.D. students.</i>	

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**HESP638 Research Practicum; Minor Research Problems**

Credits: 1-3                      Grading Method: Regular,  
Audit

*Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.*

**Contact department for information to register for this course.**

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**HESP648B Clinical Practice in Speech**

Credits: 1-2                      Grading Method: Regular,  
Audit

*Supervised training in the application of clinical methods in the diagnosis and treatment of speech disorders.*

0101	Vivian Sisskin	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Eusabia Mont	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Kristin Slawson	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Jose Ortiz	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Kathryn Dow-Burger	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

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**HESP649A****Clinical Practice in Audiology**

Credits: 1-2      Grading Method: Regular,  
Audit

*Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.*

0101	Sharon Palmer	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

**HESP649B****Clinical Practice in Audiology; Aural Rehabilitation**

(Perm req)

Credits: 1-2      Grading Method: Regular

*Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.*

**Contact department for information to register for this course.**

**HESP708****Independent Study**

Credits: 1-6      Grading Method: Regular,  
Audit

*Individual research projects under guidance of a faculty member.*

**Contact department for information to register for this course.**

**HESP729****Advanced Clinical Practice in Audiology**

Credits: 1-8      Grading Method: Regular,  
Audit

*Clinical internship in selected off-campus facilities.*

0101	Nicole Nguyen	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Nicole Nguyen	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

**HESP788****Graduate Research Externship**

Credits: 1-3      Grading Method: Regular,  
Audit

*Off-campus research internship with departmental affiliates at National Institutes of Health and other regional universities. Contact department chairman for available placements, requirements and openings.*

**Contact department for information to register for this course.**

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**HESP799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**HESP829      Clinical Internship Residency**

Credits: 1-9      Grading Method: Regular,  
Audit

*Off-Campus, full-time (30-40 hours/week) clinical externship in Audiology at regional and national institutions.*

I101	Nicole Nguyen	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Nicole Nguyen	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**HESP859      Capstone Research Project II**

Credits: 2      Grading Method: Regular

*Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.*

Pre- or Corequisite: HESP849.

0112	Sandra Gordon-Salant	Seats (Total: 10)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0118	Matthew Goupell	Seats (Total: 10)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		



0122	Samira Anderson	Seats (Total: 10)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**HESP889      Doctoral Candidacy Research**

Credits: 1-3      Grading Method: Regular

*Doctoral candidacy paper research*

**Contact department for information to register for this course.**

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**HESP898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**HESP899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**HISP      Historic Preservation      Summer 2017**

**HISP619Y      Special Topics in Historic Preservation; Understanding Place: Cultural Landscapes of Yorkshire: United Kingdom**

Credits: 3      Grading Method: Regular, Audit

*Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.*

SAUK	Dennis Pogue	Seats (Total: 1)
<b>Meets May 24, 2017 - June 12, 2017</b>		
Contact instructor or department for details.		

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**HISP629      Independent Studies in Historic Preservation**

Credits: 3      Grading Method: Regular, Audit

*Individual Instruction course.*

**Contact department for information to register for this course.**

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**HISP660      Internship in Historic Preservation**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619.*

*Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.*

I101	Donald Linebaugh	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
I201	Donald Linebaugh	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

**HISP701**

## Certificate Portfolio Project

Credits: 1      Grading Method: Regular,  
Audit

*Prerequisite: Permission of ARCH-Historic Preservation Program.*

*Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.*

0101	Donald Linebaugh	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Donald Linebaugh	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

**HISP710**

## Final Project in Historic Preservation I

Credits: 1      Grading Method: Regular,  
Audit

*Credit only granted for: HISP700 or HISP710. Formerly: HISP700.*

*An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.*

0101	Donald Linebaugh	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Donald Linebaugh	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## **HISP711 Final Project in Historic Preservation II**

Credits: 2                      Grading Method: Regular,  
Audit

*Credit only granted for: HISP700 or HISP711. Formerly: HISP700.*

*An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.*

0101	Donald Linebaugh	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Donald Linebaugh	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## **HIST History Summer 2017**

### **HIST137 Pursuits of Happiness: Ordinary Lives in the American Revolution**

Credits: 3                      Grading Method: Regular,                      CORE: SH                      General Education: DSHS,  
Pass-Fail, Audit                      SCIS

*Credit only granted for: HIST289E or HIST137. Formerly: HIST289E.*

*Investigates the search for personal fulfillment unleashed by the American Revolution; explores the many different meanings ascribed to the notion of the "pursuit of happiness" by Americans in the early national period.*

WB31	Richard Bell	Seats (Total: 40)
<b>Meets May 30, 2017 - June 19, 2017</b>		
Class time/details on ELMs		ONLINE

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**HIST200      Interpreting American History: Beginnings to 1877**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, DSHU

*Credit only granted for: HIST156 or HIST200. Formerly: HIST156.*

*The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.*

0201	Rachel Walker	Seats (Total: 26)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWThF 9:00am - 10:20am		SQH 1117

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**HIST201      Interpreting American History: From 1865 to the Present**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS, DSHU, DVUP

*Credit only granted for: HIST157 or HIST201. Formerly: HIST157.*

*The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.*

0201	Robert Chiles	Seats (Total: 29)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWThF 11:00am - 12:20pm		SQH 1117

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**HIST269A      Special Topics in Study Abroad II; Mexican Society: History and Gender Issues**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269B      Special Topics in Study Abroad II; People and Cultures of Africa**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269C      Special Topics in Study Abroad II; Spanish Culture Civilization and Literature III: Modern Times**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269F      Special Topics in Study Abroad II; Sailors, Soldiers, Slaves: London**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269R      Special Topics in Study Abroad II; Latin American Social Revolutions**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST269T      Special Topics in Study Abroad II; London: Cultural Capital**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST299      Directed Research**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Closely guided research in primary sources for students currently enrolled in selected 100- or 200-level surveys in the Department of History.*

**Contact department for information to register for this course.**

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**HIST306      History of Religion in America**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST200, HIST201, HIST210, HIST211, HIST213, HIST254, or HIST255; or must have completed HIST156 or HIST157; or permission of instructor. Also offered as: RELS346. Credit only granted for: HIST306 or RELS346.*

*A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.*

WB31	Miles Bradbury	Seats (Total: 40)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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**HIST328R                      Selected Topics in History; Global History of Soccer: Politics, Culture, and Society**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

WB11	Daniel Richter	Seats (Total: 40)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**HIST329K                      History of Rock and Roll, 1950 - 2000**

Credits: 3                      Grading Method: Regular,                      CORE: SH  
Pass-Fail, Audit

This inter-disciplinary course will trace the development of American rock 'n' roll and popular music in the second half of the 20th century. Popular music will be studied both in terms of what it sounds like, and in terms of what it meant to the societies in which it was made and consumed. Special attention will be paid to the role of African-American cultural influences, as well as contributions made by European (mainly British) performers over the years.

WB41	Andrew Kellett	Seats (Total: 40)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE

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**HIST355                      Civil War and the Rise of Industrialization, 1860-1900**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST200, HIST201, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or must have completed HIST156 or HIST157; or permission of instructor. Credit only granted for: HIST355 or HIST364.*

*Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.*

WB21	Caitlin Verboon	Seats (Total: 40)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**HIST357      Recent America: 1945-Present**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.*

*American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.*

WB51	Howard Smead	Seats (Total: 40)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**HIST360      Women and the Civil Rights Movement**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Twentieth-century U.S. civil rights movement from the vantage point of women, considering both women's involvement in the legal campaigns and political protests and the impact of civil rights struggles on women's condition, status, and identity.*

Also offered as AASP498I and WMST498M. Credit granted for HIST360, AASP498I, and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**HIST369B      Special Topics in Study Abroad III; Brazil, Rio Film History and Culture**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST369G      Special Topics in Study Abroad III; Brazilian History**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST369M      Special Topics in Study Abroad III; History of Medieval Italy: The World of Dante**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST369T      Special Topics in Study Abroad III; The Archaeological Exploration of Tel Burna**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST386      Experiential Learning**

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of ARHU-History department; and junior standing or higher.*

*The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.*

**Contact department for information to register for this course.**

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**HIST469C      Study Abroad Special Topics IV; Spanish Culture Civilization and Literature III: Modern Times**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**HIST499      Independent Study**



(Perm req) Credits: 1-3 Grading Method: Regular,  
Pass-Fail, Audit  
**Contact department for information to register for this course.**

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**HIST619 Special Topics in History**  
Credits: 1-3 Grading Method: Regular,  
Audit  
**Contact department for information to register for this course.**

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**HIST619A Special Topics in History; Independent Study**  
(Perm req) Credits: 1-3 Grading Method: Regular,  
Audit  
**Contact department for information to register for this course.**

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**HIST708 Directed Independent Reading for Comprehensive Examinations I**  
Credits: 1-4 Grading Method: Sat-Fail  
*Directed reading in preparation for Doctoral Comprehensive Examinations In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.*  
**Contact department for information to register for this course.**

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**HIST709 Directed Independent Reading for Comprehensive Examinations II**  
Credits: 1-4 Grading Method: Sat-Fail  
*Directed reading in preparation for Doctoral Comprehensive Examinations. In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.*  
**Contact department for information to register for this course.**

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**HIST799 Master's Thesis Research**  
(Perm req) Credits: 1-3 Grading Method: Regular  
**Contact department for information to register for this course.**

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**HIST819 Special Topics in History: Independent Research**  
(Perm req) Credits: 1-3 Grading Method: Regular,  
Audit  
*Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.*  
**Contact department for information to register for this course.**

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**HIST899****Doctoral Dissertation Research**

Credits: 1                      Grading Method: Regular

**Contact department for information to register for this course.**

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**HLSA****Health Services Administration****Summer 2017**

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**HLSA300****Introduction to Health Policy and Services**

Credits: 3                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: SPHL498P or HLSA300. Formerly: SPHL498P.*

*This course provides a multidimensional view of public health policy and services. Through interactive discussion of assigned readings, team-based learning, and supplementary lecture, students will learn about the nature of and development of policy, public health policy, and financing and delivery of health care services. Concepts such as unintended consequences, association versus causation, evidence-based information, and the challenges of deconstructing available data, will be discussed throughout the course with the purpose of strengthening student abilities to analyze and challenge assumptions. This course will place a significant emphasis on a team-based learning approach to understanding the health care system and health care reform.*

WB11

Robin Bloodworth

Seats (Total: 60)

**Meets May 30, 2017 - July 7, 2017**

Class time/details on ELMs

ONLINE

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**HLSA601****Introduction to Health Systems**Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.*

*Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.*

PLH1

Negin Fouladi

Seats (Total: 20)

**Meets May 30, 2017 - July 7, 2017**

Class time/details on ELMs

ONLINE

*Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health programs.*

WB11	Negin Fouladi	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

## HLSA688

### Independent Study

Credits: 1-6

Grading Method: Regular,  
Audit

*Master or doctoral students who desire to pursue special research problems under the direction of a faculty member of the department may register for 1-6 hours of credit under this number.*

0102	Lori Simon-Rusinowitz	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Neil Sehgal	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Andrew Fenelon	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Michel Boudreaux	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Dylan Roby	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Luisa Franzini	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Stephen Thomas	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0109	Jie Chen	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0202	Lori Simon-Rusinowitz	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Neil Sehgal	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Andrew Fenelon	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Michel Boudreaux	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0206	Dylan Roby	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0207	Luisa Franzini	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Stephen Thomas	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Jie Chen	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
PLH1	Negin Fouladi	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Instructor permission required, restricted to students in MPH-PHPP or GC-PPH programs.</i>	

PLH2	Negin Fouladi	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health program.</i>		

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## HLSA702 Policy and Politics of Health

Credits: 3      Grading Method: Regular,  
Audit

*Organizational and financial components of the U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.*

PLH1	Lori Simon-Rusinowitz	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.</i>		

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## HLSA775 Public Health Research

Credits: 3      Grading Method: Regular

*Prerequisite: EPIB650. Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.*

*Provides an interdisciplinary approach to gaining an understanding of and acquiring the skills to conduct public health research. This course covers policy and social issues, theory, and methods of evaluation and participatory research, from simple community based health programs to large-scale interventions. The course emphasizes experimental and quasi-experimental designs to estimate program impact as well as evaluation of program implementation. Case studies drawn from the public health field illustrate various types of evaluations and participatory research initiatives. Lectures, interactive discussions, group projects, individual projects and related assignments.*

PLH1	Farah Farahati	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE
<i>Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.</i>		

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## HLSA785 Internship in Public Health

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: Permission of SPHL-Health Services Administration department.*

*Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.*

0102	Lori Simon-Rusinowitz <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0103	Neil Sehgal <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0104	Andrew Fenelon <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0105	Michel Boudreaux <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0106	Dylan Roby <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0107	Luisa Franzini <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0108	Stephen Thomas <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 10)
0202	Lori Simon-Rusinowitz <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 10)

0203	Neil Sehgal	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Andrew Fenelon	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Michel Boudreaux	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0206	Dylan Roby	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0207	Luisa Franzini	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Stephen Thomas	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Jie Chen	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
PLH1	Negin Fouladi	Seats (Total: 20)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.</i>	

## HLSA786

### Capstone Project in Public Health

Credits: 3

Grading Method: Regular,  
Audit

*Prerequisite: Permission of SPHL-Health Services Administration department.*

*Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.*

0102	Lori Simon-Rusinowitz	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Neil Sehgal	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Andrew Fenelon	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Michel Boudreaux	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Dylan Roby	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Luisa Franzini	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Stephen Thomas	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0109	Jie Chen	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0202	Lori Simon-Rusinowitz	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Neil Sehgal	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	



0204	Andrew Fenelon	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Michel Boudreaux	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0206	Dylan Roby	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0207	Luisa Franzini	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Stephen Thomas	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Jie Chen	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
PLH1	Negin Fouladi	Seats (Total: 20)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.</i>	

## HLSA799

### Master's Thesis Research

Credits: 1-6      Grading Method: Regular, Sat-Fail

0102	Lori Simon-Rusinowitz	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Neil Sehgal	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0104	Andrew Fenelon	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Michel Boudreaux	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Dylan Roby	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Luisa Franzini	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Stephen Thomas	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0109	Jie Chen	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0202	Lori Simon-Rusinowitz	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Neil Sehgal	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Andrew Fenelon	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Michel Boudreaux	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0206	Dylan Roby	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0207	Luisa Franzini	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Stephen Thomas	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0209	Jie Chen	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

#### HLSA898

#### Pre-Candidacy Research

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

#### HLSA899

#### Doctoral Dissertation Research

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

## HLTH

## Health

## Summer 2017

#### HLTH106

#### Drug Use and Abuse

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.*

WB31	Tracy Zeeger	Seats (Total: 55)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE

**HLTH140****Personal and Community Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.*

WB31	Sylvette La Touche-Howard	Seats (Total: 50)
<b>Meets May 30, 2017 - June 16, 2017</b>		
	Class time/details on ELMs	ONLINE

**HLTH200****Introduction to Research in Community Health**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Permission of SPHL-Behavioral & Community Health department.*

*An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.*

WB21	Juliette Christie	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

**HLTH264****Tweets & Likes: Digital Health & Social Media**

Credits: 3                      Grading Method: Regular,  
Audit

*Examines the current and potential use of digital health and social media to influence public health. Provides an overview of knowledge, skills and terminology necessary to optimize the effectiveness of these technologies to contribute to the enhancement of individual and community health.*

WB21	Robert Gold	Seats (Total: 40)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

**HLTH366****Behavioral and Community Issues in Public Health**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: HLTH130, HLTH230, PSYC100, SOCY100, SOCY105, or ANTH260. Restriction: Must be in Public Health Science program; or permission of SPHL-Behavioral & Community Health department. And must have earned a minimum of 45 credits. Additional information: This course will initially be restricted to Public Health Science (PHSC) majors, but could ultimately be opened to other majors, particularly those in HLTH.*

*The exploration of how social and behavioral science theories and public health concepts and methods can be applied to both the health-illness experience and community interventions.*

WB11	Evelyn King-Marshall	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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## HLTH377 Human Sexuality

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.*

WB31	Robin Sawyer	Seats (Total: 150)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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## HLTH386 Experiential Learning

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.*

0103	Robin Sawyer	Seats (Total: 8)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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## HLTH389 Topical Investigations

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.*

**Contact department for information to register for this course.**

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**HLTH389I      Topical Investigations; An International Perspective of Violence: Comparing Italy, France and the U.S.: Italy**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.*

**Contact department for information to register for this course.**

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**HLTH476      Death Education**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.*

WB31	Jennifer Hodgson	Seats (Total: 40)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE

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**HLTH489      Field Laboratory Projects and Workshop**

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*A course designed to meet the needs of persons in the field with respect to workshop and research projects in special areas of knowledge not covered by regularly structured courses.*

0201	Robin Sawyer	Seats (Total: 8)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0202	Bradley Boekeloo	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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**HLTH498T      Special Topics in Health; Medical Terminology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

"On-line course"

WB21	Katherine Sharp	Seats (Total: 125)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

**HLTH665**

## Health Behavior I

Credits: 3      Grading Method: Regular, Audit

*The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.*

PLH1	Sharon Desmond	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.</i>	
WB11	Sharon Desmond	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

**HLTH688**

## Special Problems in Health Education

(Perm req)

Credits: 1-6      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

**HLTH799**

## Master's Thesis Research

Credits: 1-6      Grading Method: Regular, Satisfail

**Contact department for information to register for this course.**

**HLTH898**

## Pre-Candidacy Research

(Perm req)

Credits: 1-8      Grading Method: Regular, Satisfail

**Contact department for information to register for this course.**

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HLTH899

**Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

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**IDEA**

**Academy for Innovation & Entrepreneurship**

**Summer 2017**

IDEA210

**Innovation+X: Sustainability**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*This hands-on, project-based course tackles the intersection of environment, technology, and business to develop sustainable solutions to pressing environmental problems. Students work in teams and use design thinking and other human-centered methods to address real-world design challenges for the course's partner organization. Students are tasked with delivering a prototype solution and recommendations for solution implementation to the course partner.*

YS41	Mira Azarm	Seats (Total: 7)
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**Meets July 10, 2017 - July 28, 2017**

MTuWThF 9:00am - 12:30pm      ESJ 2101

*This section is part of Terp Young Scholars. Enrollment by permission only.*

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**INAG**

**Institute of Applied Agriculture**

**Summer 2017**

INAG099

**Cooperative Education**

Credits: 0      Grading Method: Sat-Fail

0201	Meredith Epstein	Seats (Total: 15)
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**Meets July 10, 2017 - August 18, 2017**

Contact instructor or department for details.

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INAG299A

**Supervised Work Experience; Internship I**

Credits: 1      Grading Method: Regular

Prerequisite: Advisor's approval.

I202	Meredith Epstein	Seats (Total: 10)
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**Meets July 10, 2017 - August 18, 2017**

Contact instructor or department for details.



I203	Kenneth Ingram	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
I204	Larisa Cioaca	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## INAG299B

### Supervised Work Experience; Internship II

(Perm req)

Credits: 1      Grading Method: Regular, Sat-Fail

Prerequisite: Advisor's approval. Pre-corequisite: INAG299A.

I202	Meredith Epstein	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
I203	Kenneth Ingram	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
I204	Larisa Cioaca	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## INFM

## Information Management

## Summer 2017

### INFM719

#### Independent Study

Credits: 1-3      Grading Method: Regular

*Intensive individual study under faculty supervision.*

**Contact department for information to register for this course.**

### INFM747

#### Web-Enabled Databases

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: INFM603, LBSC690, or LBSC671; and INST733. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM747 or INFM718N. Formerly: INFM718N.*

*Basic methods and tools for developing dynamic, database-driven web sites. Acquiring, installing, and running web servers, database servers, and connectivity applications. Developing web interfaces and application-layer components.*

SG10	Vedat Diker	Seats (Total: 25)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## INFM799

### Master's Thesis Research

Credits: 1-6      Grading Method: Regular, Sat-Fail

*Intensive individual research course under the supervision of a faculty member.*

0103	Brian Butler	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0111	Paul Jaeger	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0124	Jessica Vitak	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0211	Paul Jaeger	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## INST

## Information Studies

## Summer 2017

### INST201

### Introduction to Information Science

Credits: 3      Grading Method: Regular, Audit      General Education: DSHS

*Credit only granted for: INST201 or INST301. Formerly: INST301.*

*Examining the effects of new information technologies on how we conduct business, interact with friends, and go through our daily lives. Understanding how technical and social factors have influenced the evolution of information society. Evaluating the transformative power of information in education, policy, and entertainment, and the dark side of these changes.*

This course will meet in-person from May 30 - June 27. The course will NOT meet in-person on June 28, July 3, and July 5.

HY11	Elizabeth Bonsignore	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 1:00pm - 4:20pm	HBK 0103
	Class time/details on ELMs	ONLINE

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## INST311 Information Organization

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: Must have completed or be concurrently enrolled in INST301; or must have completed or be concurrently enrolled in INST201; or permission of instructor. Restriction: Registration priority for students in BSIS program.*

*Examines the theories, concepts, and principles of information, information representation and organization, record structures, description, and classification. Topics to be covered in this course include the methods and strategies to develop systems for storage, organization, and retrieval of information in a variety of organizational and institutional settings, as well as policy, ethical, and social implications of these systems.*

0101	Katy Lawley	Seats (Total: 35)
	<b>Meets May 30, 2017 - August 4, 2017</b>	
	MW 10:00am - 12:15pm	PLS 1117

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## INST314 Statistics for Information Science

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: (INST301; or must have completed or be concurrently enrolled in INST201); and MATH115; and STAT100. Or permission of instructor. Restriction: Registration priority for students in BSIS program.*

*Basic concepts in statistics including measure construction, data exploration, hypothesis development, hypothesis testing, pattern identification, and statistical analysis. The course also provides an overview of commonly used data manipulation and analytic tools. Through homework assignments, projects, and in-class activities, you will practice working with these techniques and tools to create information resources that can be used in individual and organizational decision-making and problem-solving.*

0201	Joo Choi	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 1:00pm - 4:20pm	HBK 1112

**INST326**

Credits: 3

*Prerequisite: (must have completed or be concurrently enrolled in INST201; or INST301); and (INST126; or CMSC106; or CMSC122). Or permission of instructor. Credit only granted for: INST326 or CMSC131.*

*An introduction to programming, emphasizing understanding and implementation of applications using object-oriented techniques. Topics to be covered include program design and testing as well as implementation of programs.*

0101	Cody Buntain	Seats (Total: 35)
	<b>Meets May 30, 2017 - August 4, 2017</b>	
	TuTh 10:00am - 12:15pm	BPS 1228

**INST627**

Credits: 3

*Restriction: Permission of INFO-College of Information Studies.*

*Skills and knowledge needed to craft datasets, perform quantitative and qualitative analyses, and develop information resources that bridge the gap between raw data and decision makers' needs.*

SG01	Jennifer Golbeck	Seats (Total: 25)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

**INST633**

Credits: 3

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC708L or INST633. Formerly: LBSC708L.*

*Introduces students to the science and social science of network analysis. Through real world examples, including analysis of their own social networks, students will develop skills for describing and understanding the patterns and usage of services like Facebook, Twitter, YouTube, and others. Students will read classic and cutting edge articles and books about these topics and discuss their applicability to this new social media. The class will culminate with a capstone project in which students will apply the analysis methods they have learned to understanding a particular question about social networks and social media.*

SG10	Jennifer Golbeck	Seats (Total: 25)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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## INST650      **Facilitating Youth Learning in Formal and Informal Environments**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST650 or LBSC640. Formerly: LBSC640.*

*The historical, organizational, and contemporary contexts of formal and informal learning spaces; the principles of teaching, learning, and information literacy that underlie the formal and informal learning spaces; and the leadership role that information professionals can play within their schools, libraries and communities.*

CT01	Mega Subramaniam	Seats (Total: 20)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students enrolled in the YX Certificate Program.</i>	

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## INST651      **Promoting Rich Learning with Technology**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST651 or LBSC642. Formerly: LBSC642.*

*Exploration of how technology can be used to promote rich learning experiences, with a particular focus on youth populations. Assessment of the how, when, and why of infusing technology into the teaching and learning process.*

SG10	Renee Hill	Seats (Total: 25)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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## INST706      **Project Management**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: INFM603 and INFM612; or (LBSC631 and LBSC671); or (LBSC635 and LBSC670); or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST706 or INFM706. Formerly: INFM706.*

*Comprehensive overview of project management, focusing on the needs of information resource (IR) projects. Concepts and techniques for planning and execution of projects including developing work breakdown structure, estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, monitoring, control, and other aspects of successful project completion.*

SG10	Vikas Sahasrabudhe	Seats (Total: 25)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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## **INST709      Independent Study**

Credits: 1-3      Grading Method: Regular,  
Audit

*Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.*

0226	Niklas Elmqvist	Seats (Total: 1)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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## **INST715      Knowledge Management**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: LBSC631 or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST715 or LBSC715. Formerly: LBSC715.*

*Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends.*

SG01	Taverekere Srikantaiah	Seats (Total: 25)
<b>Meets May 30, 2017 - July 8, 2017</b>		
Class time/details on ELMs		ONLINE

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## **INST717      Internship Practicum in Human-Computer Interactions**

Credits: 3      Grading Method: Regular, Audit

*Prerequisite: INST631 and INST632. Recommended: INST701. Restriction: Permission of INFO-College of Information Studies; and must be in Human-Computer Interaction (Master's) program.*

*Required, supervised experience working in an industry, government, non-profit organization or an educational institution to address a problem in Human-Computer Interaction. Students will spend a minimum of 120 hours working in the agency during the internship.*

This course will meet on campus on May 30-31 from 3-6pm and August 14-16, 3-6pm in HBK4113. Please contact the instructor for additional details.

HY11	Evan Golub	Seats (Total: 25)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

**INST729E International Opportunities in Information Studies; Great Cathedral Libraries of England**

Credits: 3      Grading Method: Regular, Audit

*Short term, experiential course offered in conjunction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.*

**Contact department for information to register for this course.**

**INST729N International Opportunities in Information Studies; Namibian Libraries: Developing Services for a Knowledge-Based Economy in Africa**

Credits: 3      Grading Method: Regular,  
Audit

*Short term, experiential course offered in conjunction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.*

**Contact department for information to register for this course.**

**INST729R International Opportunities in Information Studies; Libraries and Cultural Heritage Institutions of St Petersburg**

Credits: 3      Grading Method: Regular,  
Audit

*Short term, experiential course offered in conjunction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.*

**Contact department for information to register for this course.**

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**INST799****Master's Thesis Research**

Credits: 1                      Grading Method: Regular, Sat-Fail

0122	Leah Findlater	Seats (Total: 3)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0123	Marshini Chetty	Seats (Total: 3)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0129	Susan Winter	Seats (Total: 3)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0223	Marshini Chetty	Seats (Total: 3)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0229	Susan Winter	Seats (Total: 3)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**INST810****Individual Research Experience**

Credits: 3                      Grading Method: Regular, Audit

*Credit only granted for: INST810 or LBSC810. Formerly: LBSC810.*

*Pre-candidacy individual research experience directed by a faculty member.*

**Contact department for information to register for this course.**

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**INST898****Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**INST899****Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular, Sat-Fail



0101	Jennifer Preece	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Brian Butler	Seats (Total: 5)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0108	Douglas Oard	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0112	Renee Hill	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0116	Vanessa Frias-Martinez	Seats (Total: 2)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0145	Tamara Clegg	Seats (Total: 2)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0203	Brian Butler	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Douglas Oard	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0217	John Bertot	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0224	Jessica Vitak	Seats (Total: 1)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## Investigating Topics in Israel Studies; Conflict Resolution - The Israeli Palestinian Experiment

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSHS,  
DVUP

*Topics in the study of Zionism and contemporary Israel from the 1880's to the present at an intermediate level. Individual sections may address history, politics, or culture.*

Also offered as GVPT309X. Credit granted for ISRL349X or GVPT309X. This interactive course provides contending and shared perspectives of the cycles of war and peacebuilding with simulations. Topics include common ground on Jerusalem, Palestinian refugees, Jewish settlements, water, borders and security. Professor Kaufman has been Director of both the Truman Institute for the Advancement of Peace (Hebrew University of Jerusalem) and the Center for International Development and Conflict Management (UMD). He is concurrently teaching in Israel. Professor Hassassian has been Dean and Vice-President of Bethlehem University and is currently Palestinian Ambassador to the United Kingdom. For more information, contact [kaufmane@umd.edu](mailto:kaufmane@umd.edu). Course preview is available on YouTube and internet: search for 'Israeli Palestinian Team Teaching'.

0501	M. Hassassian, Edward Kaufman <b>Meets June 19, 2017 - July 7, 2017</b> MTuWTh 6:00pm - 9:25pm	Seats (Total: 30)  TYD 2110
WB51	M. Hassassian, Edward Kaufman <b>Meets June 19, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 40)  ONLINE

**ITAL**

## Italian

## Summer 2017

## ITAL103

## Intensive Elementary Italian

Credits: 4      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.*

*Covers speaking, reading, writing, listening, and culture of Italian-speaking world.*

SU23	Rebecca La Creta	Seats (Total: 1)
<b>Meets May 30, 2017 - June 23, 2017</b>		
Contact instructor or department for details.		

## ITAL122

## Accelerated Italian II

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

CORE: HO

*Prerequisite: ITAL 121; or must have appropriate Foreign Language Placement Test (FLPT) score.  
Credit only granted for: ITAL203 or ITAL122.*

*Continuation of ITAL 121. Completion of accelerated cycle. May be used to satisfy ARHU Global Engagement requirement.*

**Contact department for information to register for this course.**

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**ITAL169C      Special Topics in Study Abroad I; Italian Conversation**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169E      Special Topics in Study Abroad I; Elementary Italian I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169I      Special Topics in Study Abroad I; Intensive Intermediate Italian I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169R      Special Topics in Study Abroad I; Introduction to Italian Language and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169Y      Special Topics in Study Abroad I; Introduction to Italian Language I**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL169Z      Special Topics in Study Abroad I; Introduction to Italian Language II**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL203      Intensive Intermediate Italian**

Credits: 4      Grading Method: Regular,      CORE: HO  
Pass-Fail, Audit

*Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian.*

*Credit only granted for: ITAL203 or ITAL122.*

*Covers speaking, reading, writing, listening, and culture of Italian-speaking world.*

**Contact department for information to register for this course.**

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**ITAL204      Review Grammar and Composition**

Credits: 3      Grading Method: Regular,      CORE: HO  
Pass-Fail, Audit

*Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.*

**Contact department for information to register for this course.**

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**ITAL207      Reading and Writing in Italian**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian.*

*Culture-based, process approach to reading and writing in Italian; selected grammatical topics.*

**Contact department for information to register for this course.**

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**ITAL211      Intermediate Conversation**

Credits: 3      Grading Method: Regular,      CORE: HO  
Pass-Fail, Audit

*Prerequisite: ITAL203; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Italian.*

*Practice in spoken Italian based on reading and listening exercises in variety of genres. Written assignments and exams.*

**Contact department for information to register for this course.**

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**ITAL269A      Special Topics in Study Abroad II; Intensive Italian Through Culture: Advanced**

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL269I      Special Topics in Study Abroad II; Intensive Intermediate Italian I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL301      Italian Composition**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: ITAL207; or students who have taken courses with comparable content may contact the department.*

*Techniques of composition; grammatical analysis; various genres; vocabulary.*

**Contact department for information to register for this course.**

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**ITAL369A      Special Topics in Study Abroad III; Italian Culture I**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL369W      Special Topics in Study Abroad III; Composition and Style**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**ITAL431**

**Italian Civilization in Translation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ITAL431 or ITAL432.*

*Political, social, intellectual, literary and artistic forces shaping contemporary Italy from the late Middle Ages to the present. Taught in English.*

**Contact department for information to register for this course.**

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**ITAL471**

**Italian Cinema: A Cultural Approach in Translation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: ITAL471 or ITAL472.*

*The culture of Italy through the medium of film from the silent days up to the present. Taught in English.*

**Contact department for information to register for this course.**

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**ITAL499P**

**Special Topics in Italian Studies; Italian Politics in Film**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**JAPN**

**Japanese**

**Summer 2017**

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**JAPN101**

**Elementary Japanese I**

Credits: 6                      Grading Method: Regular

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.*

*Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana).*

0101	Kumiko Akikawa	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWThF 9:30am - 12:30pm		EDU 2101

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**JAPN102**

**Elementary Japanese II**

Credits: 6                      Grading Method: Regular

*Prerequisite: Minimum grade of C- in JAPN101; or appropriate Foreign Language Placement Test (FLPT) score.*

*Continued introduction to the basic spoken patterns of contemporary Japanese.*

0201	Etsuko Yamakita	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 9:30am - 12:20pm	ASY 3215

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**JAPN438A      Topics in Japanese Pragmatics; Stylistic Variation in the Films of Miyazaki Hayao**

Credits: 3                      Grading Method: Regular

*Basic concepts in the field of pragmatics (the study of language in context) such as deixis and indexicality, speech acts, ellipsis, and politeness. Readings in English on English and Japanese examples.*

Pre-req: C or better in JAPN 201 or equivalent score on FLPA This course explores topics in linguistic pragmatics (the study of language use in context) with a focus on stylistic variation in the films of Miyazaki Hayao and Studio Ghibli. Students will acquire an understanding of pragmatic concepts such as deixis, speech acts, and politeness. Readings, class discussions, and homework assignments first address these concepts through English examples, and subsequently apply them to excerpts from Miyazaki's works, with special attention to how the linguistic behavior of a character contributes to his or her overall portrayal in a film.

WB21	Lindsay Yotsukura	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

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**JAPN499T      Directed Study in Japanese; Experiencing Japanese Life: Language and Culture in Kyoto and Beyond**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**JOUR      Journalism    Summer 2017**

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**JOUR150      Introduction to Mass Communication**

(Perm req)                      Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: SB                      General Education: DSHS,  
DSSP

*Restriction: Not open to students who have completed JOUR100 prior to Fall 1999. Additional information: Not applicable toward journalism major.*

*Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.*

YS41	Christine Harvey	Seats (Total: 10)
<b>Meets July 10, 2017 - July 28, 2017</b>		
MTuWThF 10:00am - 1:00pm		KNI 2107
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

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**JOUR199      Survey Apprenticeship; Survey Apprenticeship**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*College-monitored experience in approved mass-communications organizations and industries.*

I101	Adrianne Flynn	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
I201	Adrianne Flynn	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**JOUR201      News Writing and Reporting I**

(Perm req)

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism.*

*Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.*

0101	Karin Assmann	Seats (Total: 18)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuTh 9:00am - 11:15am		KNI 2103

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**JOUR203      Introduction to Multimedia Skills**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit



*Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G.*

*Examining the basics of producing and editing digital photos, video, and audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.*

0101	Joshua Davidsburg	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MW 12:15pm - 3:45pm	KNI 2105

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## **JOUR262 News Videography**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR203. Also offered as: JOUR603. Credit only granted for: JOUR262 or JOUR603.*

*Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.*

0201	Luke Rollins	Seats (Total: 9)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 10:00am - 1:20pm	TWS 0222B

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## **JOUR289E Media Law and Ethics in the Digital Age**

Credits: 3      Grading Method: Regular,      General Education: DSHS,  
Pass-Fail, Audit      SCIS

WB11	Deborah Nelson	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE

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## **JOUR320 News Writing and Reporting II: Multiplatform**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.*

*Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.*

0201	Sandra Banisky	Seats (Total: 8)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 9:00am - 12:20pm	KNI 2105

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### **JOUR352      Interactive Design and Development**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Also offered as: JOUR352. Credit only granted for: JOUR352 or JOUR652.*

*Conceptualize, wireframe, design and build responsive Web pages using HTML, style sheets and other coding tools; work with open source interactive tools, JavaScript libraries, multimedia and text to create charts, timelines, maps and other forms of nonfiction storytelling.*

0201	Sean Mussenden	Seats (Total: 12)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 1:20pm - 3:00pm	KNI 2105

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### **JOUR360      News Writing and Reporting II: Broadcast**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.*

*Writing and reporting for broadcast media: production of news stories.*

0201	Mary Burns	Seats (Total: 13)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 10:00am - 1:20pm	KNI 2103

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### **JOUR396      Supervised Internship**

(Perm req)

Credits: 2      Grading Method: Regular

*Prerequisite: Must have earned a grade of C- or better in JOUR320 or JOUR360. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396.*

*Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. Students may pick up an internship proposal form in KNI 1100, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted. This requirement would affect incoming freshmen from the fall 2012 class.*

I101	Adrianne Flynn	Seats (Total: 70)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## JOUR398

### Independent Study

Credits: 1-3      Grading Method: Regular

*Individual projects in journalism.*

Contact department to make arrangements. Consult in JRN 1117 for section code corresponding to faculty member.

**Contact department for information to register for this course.**

## JOUR399

### Supervised Internship

(Perm req)

Credits: 1      Grading Method: Regular

*Supervised news internship experience; relation of academic training to professional experience.*

Prerequisite: C or better in JOUR320 or JOUR360.

I101	Adrianne Flynn	Seats (Total: 100)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## JOUR434

### Salzburg Seminar: Global Media Literacy

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP, DVUP

*Restriction: Must be in Salzburg Academy program. Also offered as: JOUR734. Credit only granted for: JOUR434 or JOUR734.*

*An advanced analysis of the information, values underlying messages conveyed via television, newspapers, the Internet, magazines, radio and film from a cross-cultural perspective. Examines the accuracy of messages and explores how distinctive global media shape views of politics culture and society with nations, across regions and internationally.*

**Contact department for information to register for this course.**

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**JOUR435 Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3                      Grading Method: Regular,                      General Education: DSSP,  
Pass-Fail, Audit                      DVUP

*Restriction: Must be in Salzburg Academy program. Also offered as: JOUR735. Credit only granted for: JOUR435 or JOUR735.*

*Practical and theoretical examination of a global problem (or problems) of contemporary importance from a cross-cultural, perspective. Analytical framework used to examine how media shape global problems, events and/or issues regionally.*

**Contact department for information to register for this course.**

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**JOUR501 Fundamentals of Writing and Editing**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.*

*Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.*

0101	Rafael Lorente	Seats (Total: 18)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuTh 9:00am - 11:15am	KNI 2105

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**JOUR504 Introduction to Multimedia Skills**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Corequisite: JOUR501; or permission of instructor. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR504 or JOUR628G. Formerly: JOUR628G.*

*Examining the basics of producing and editing digital photos, video, and audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.*

0101	Joshua Davidsburg	Seats (Total: 8)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MW 12:15pm - 3:45pm	KNI 2105

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**JOUR603 News Videography**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: JOUR504; and permission of Journalism College required. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR262. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503.*

*Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.*

0201	Luke Rollins	Seats (Total: 1)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 10:00am - 1:20pm	TWS 0222B

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## **JOUR620**

### **Public Affairs Reporting**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism.*

*Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.*

0201	Sandra Banisky	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MW 9:00am - 12:20pm	KNI 2105

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## **JOUR652**

### **Interactive Design and Development**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Corequisite: Offered to students enrolled in the journalism master's degree or certificate. Master's degree students should take JOUR 504 as a pre- or co-requisite. Certificate students are encouraged to take JOUR 604 as a co-requisite. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR652 or JOUR352.*

*Conceptualize, wireframe, design and build responsive Web pages using HTML, style sheets and other coding tools; work with open source interactive tools and JavaScript libraries to create charts, timelines and maps to tell stories.*

0201	Sean Mussenden	Seats (Total: 6)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 1:20pm - 3:00pm	KNI 2105

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**JOUR660 Broadcast News Writing**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: JOUR501. Credit only granted for: JOUR660 or JOUR760. Formerly: JOUR760.*

*Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.*

0201	Mary Burns	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuTh 10:00am - 1:20pm	KNI 2103

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**JOUR698 Special Problems in Communication**

Credits: 1-3                      Grading Method: Regular,  
Audit

*Independent study in area of the student's interest.*

**Contact department for information to register for this course.**

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**JOUR734 Salzburg Seminar: Global Media Literacy**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in Salzburg Academy program. Also offered as: JOUR434. Credit only granted for: JOUR434 or JOUR734.*

*An advanced analysis of the information, values and underlying messages conveyed via television, newspapers, the Internet, magazines, radio and film from a cross-cultural perspective. Examines the accuracy of messages and explores how distinctive global media shape view of politics, culture and society within nations, across regions and internationally.*

**Contact department for information to register for this course.**

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**JOUR735 Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Must be in Salzburg Academy program. Also offered as: JOUR435. Credit only granted for: JOUR435 or JOUR735.*

*Practical and theoretical examination of a global problem (or problems) of contemporary importance from a cross-cultural, perspective. Analytical framework used to examine how media shape global problems, events and/or issues regionally.*

**Contact department for information to register for this course.**

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**JOUR798      Master's Professional Fieldwork**

Credits: 1-6      Grading Method: Sat-Fail

*Research for and preparation of news articles or programs for use in the media. Analysis of fieldwork experience using communication theory and research results. Fieldwork may be done independently or as an internship. Repeatable to a maximum of six credits.*

**Contact department for information to register for this course.**

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**JOUR799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**JOUR888      Doctoral Professional Field Work**

Credits: 3-9      Grading Method: Regular,  
Audit

*Critical analysis of a phase of a professional field in journalism and public communication. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.*

**Contact department for information to register for this course.**

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**JOUR889      Doctoral Tutorial in Journalism and Public Communication**

Credits: 3-9      Grading Method: Regular,  
Audit

*Individual research in journalism and public communication.*

**Contact department for information to register for this course.**

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**JOUR898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**JOUR899      Doctoral Dissertation Research in Journalism and Mass Communication**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**JWST      Jewish Studies      Summer 2017**

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**JWST2190      Special Topics in Jewish Studies; Jewish Languages in America**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU, DVCC

Also offered as HEBR298O. Credit granted for JWST2190 or HEBR298O. Students will explore the history and current use of a variety of languages and dialects in the American Jewish community. They will analyze how language affects identity and the relationships to the majority group, as well as within the cultural group.

WB11	Avital Karpman	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**JWST369A      Special Topics in Study Abroad III; The Holocaust: 20th Century Jewish Thought**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**JWST369T      Special Topics in Study Abroad III; The Archaeological Exploration of Tel Burna**

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      General Education: DSSP

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**JWST699      Independent Graduate Readings in Jewish Studies**

Credits: 1      Grading Method: Regular

*Independent readings or guided research in a field of Jewish Studies with a member of the Jewish Studies graduate faculty.*

**Contact department for information to register for this course.**

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**KNES      Kinesiology      Summer 2017**

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**KNES131D Physical Education Activities: Coed; Salsa**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

0401	Barbara Bernstein	Seats (Total: 25)
<b>Meets July 10, 2017 - July 28, 2017</b>		
	MTuWTh 3:30pm - 6:15pm	SPH 0302

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**KNES131V Physical Education Activities: Coed; Beginning Jogging**

Credits: 2                      Grading Method: Regular,  
Pass-Fail

WB11	Andrew Ginsberg, Andrea Romeo	Seats (Total: 54)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE

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**KNES134O Physical Education Activities: Coed; Bowling (Intermediate)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required the first day of class. Students must pay a \$40 facility fee plus bowling shoes are required.

0401	Timothy Henkel	Seats (Total: 40)
<b>Meets July 10, 2017 - July 28, 2017</b>		
	MTuWThF 8:00am - 10:00am	SSU B0106C      Lab

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**KNES137N Physical Education Activities: Coed; Golf (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required beginning the first day of class. Students must pay a \$40 instructional materials fee.

0401	Jeff Maynor	Seats (Total: 24)
<b>Meets July 10, 2017 - July 28, 2017</b>		
	MTuWThF 9:00am - 11:00am	GLF 1102      Lab

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**KNES146F Physical Education Activities: Coed; Recreational SCUBA (Beginner)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: Basic swimming ability. Attendance on the first day of class is required of all students. Students must pay a \$40 instructional materials fee. Students will also be expected to pass a medical examination; details can be obtained by the instructor in advance of class.

0101	Les Burke	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 6:00pm - 8:30pm		ERC B0136

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**KNES157N      Physical Education Activities: Coed; Weight Training (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required beginning the first day of class. Students must pay \$40 instructional materials fee.

0201	Steven Kahl	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWTh 1:00pm - 2:20pm		SPH 0103      Lab

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**KNES157O      Physical Education Activities: Coed; Weight Training (Intermediate)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required beginning the first day of class. Students must pay \$40 instructional materials fee.

0201	Steven Kahl	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWTh 1:00pm - 2:20pm		SPH 0103      Lab

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**KNES161T      Physical Education Activities: Coed; Yoga (Beginning)**

Credits: 1                      Grading Method: Regular,  
Pass-Fail

Attendance is required beginning the first day of class. Students must pay \$40 instructional materials fee.

0101	Shilpa Venkatraman	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MWF 9:00am - 11:00am	SPH 0107      Lab

## **KNES200 Introduction to Kinesiology**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in Kinesiology program; and freshman standing. Or must not be in Kinesiology program; and must have less than 60 credits. Credit only granted for: KNES200 or KNES289M.*

*An overview of kinesiology, the interdisciplinary study of physical activity. Examines human motor behavior and its cultural forms such as sport from the physiological, psychological, sociological, historical, philosophical, and biomechanical perspectives.*

YS41	Jo Zimmerman	Seats (Total: 21)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:00am - 11:30am	SPH 1312
	TuTh 1:00pm - 4:00pm	SPH 0124      Lab
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

## **KNES201 Kinesiological Principles of Physical Activity**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201.*

*An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.*

WB11	Jo Zimmerman	Seats (Total: 40)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
WB41	Calvin Lu	Seats (Total: 30)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	Class time/details on ELMs	ONLINE

**KNES260****Science of Physical Activity and Cardiovascular Health**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: LS      General Education: DSNS

*Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.*

WB21	James Hagberg	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

**KNES287****Sport and American Society**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB, D      General Education: DSHS, DVUP

*Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.*

WB11	David Andrews	Seats (Total: 75)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	Class time/details on ELMs	ONLINE
WB61	Adam Beissel	Seats (Total: 50)
<b>Meets July 31, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

**KNES289****Topical Investigations**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

**Contact department for information to register for this course.**

**KNES293****History of Sport in America**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SH      General Education: DSHS

*The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.*

WB31	Samuel Clevenger	Seats (Total: 75)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE
WB61	Samuel Clevenger	Seats (Total: 75)
	<b>Meets July 31, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## KNES300

### Biomechanics of Human Motion

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.*

*The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.*

Students must pay a \$50 laboratory fee.

0201	Rebecca Krupenevich	Seats (Total: 23)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 2:00pm - 5:00pm	SPH 1303
	MW 10:00am - 1:00pm	SPH 0223      Lab
0202	Rebecca Krupenevich	Seats (Total: 22)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 2:00pm - 5:00pm	SPH 1303
	TuTh 10:00am - 1:00pm	SPH 0223      Lab

## KNES342

### Sport, Commerce, and Culture in the Global Marketplace

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: KNES287. Credit only granted for: KNES389A or KNES342. Formerly: KNES389A.*

*The Sport, Commerce, and Culture in the Global Marketplace study abroad program is designed for students who are interested in the relationship between sport, culture, and the contemporary global economy.*

**Contact department for information to register for this course.**

## KNES350

### The Psychology of Sports

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSHS

*An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.*

WB21	J Carson Smith	Seats (Total: 75)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

## KNES360

### Physiology of Exercise

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).*

*A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.*

Students must pay a \$50 laboratory fee. Please note, for Summer Term 2016, restrictions will not apply.

0101	Rosemary Lindle	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
TuTh 10:00am - 12:00pm		SPH 0124                      Lab
0102	Rosemary Lindle	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE
TuTh 4:00pm - 6:00pm		SPH 0124                      Lab

0103	Rosemary Lindle	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	TuTh 1:00pm - 3:00pm	SPH 0124      Lab
0104	Rosemary Lindle	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
	TuTh 8:00am - 10:00am	SPH 0124      Lab

### KNES370

#### Motor Development

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major within SPHL-Kinesiology department.*

*Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.*

Please note, for Summer Term, restrictions will not apply.

WB31	Yue Du	Seats (Total: 50)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE

### KNES385

#### Motor Control and Learning

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Restriction: Must be in a major within SPHL-Kinesiology department.*

*Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.*

Please note, for Summer Term, restrictions will not apply.

WB21	Tim Kiemel	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	Contact instructor or department for details.	

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**KNES389      Topical Investigations**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

**Contact department for information to register for this course.**

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**KNES389K      Topical Investigations; Kinesiological Sciences Internship**

(Perm req)

Credits: 3      Grading Method: Regular,  
Pass-Fail

*Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.*

Prerequisite: KNES major and relevant KNES major classes.

**Contact department for information to register for this course.**

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**KNES462      Neural Basis of Human Movement**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department.*

*An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.*

WB11	Rodolphe Gentili	Seats (Total: 45)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**KNES485      Sport and Globalization**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

General Education: DVUP

*Prerequisite: KNES287. Restriction: Junior standing or higher.*

*Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.*



WB51	Adam Beissel	Seats (Total: 50)
<b>Meets June 19, 2017 - July 9, 2017</b>		
Class time/details on ELMs		ONLINE

## **KNES497 Kinesiology Senior Seminar**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: CS      General Education: DSSP

*Prerequisite: A professional writing course with a minimum grade of C-; and all 7 KNES core courses and 2 KNES option courses. And STAT100; or students who have taken courses with comparable content may contact the department. And minimum grade of C- in KNES400; or must be concurrently enrolled in KNES400. Restriction: Senior standing or higher; and must be in Kinesiology program.*

*Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction.*

Summer enrollment is by permission only. Please contact an advisor (advisingknes@umd.edu) if you are interested in enrolling in Kinesiology Senior Seminar.

*Click here for more information.*

0102	Adam Beissel	Seats (Total: 8)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
<i>Qualitative Research for Sport and Physical Culture.</i>		
0109	Jo Zimmerman	Seats (Total: 10)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
<i>Exercise &amp; Brain Health: From Psychobiology to Behavior.</i>		

## **KNES498 Special Topics in Kinesiology; Special Topics in Kinesiology**

(Perm req)

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Topics of special interest in areas not covered by regularly scheduled courses.*

**Contact department for information to register for this course.**

## **KNES689 Special Problems in Kinesiology**

(Perm req)

Credits: 1-4      Grading Method: Regular

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

**Contact department for information to register for this course.**

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**KNES689E      Special Problems in Kinesiology; Elementary Physical Education Content Development**

Credits: 3                      Grading Method: Regular,  
   Audit

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

**Contact department for information to register for this course.**

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**KNES689I      Special Problems in Kinesiology; Teaching Secondary Physical Education**

Credits: 3                      Grading Method: Regular,  
   Audit

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

A focus on content development and implementation, teacher effectiveness grounded in data analysis, and assessment of student learning in middle and secondary schools.

**Contact department for information to register for this course.**

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**KNES689V      Special Problems in Kinesiology; Teaching Elementary Physical Education**

Credits: 3                      Grading Method: Regular,  
   Audit

*Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.*

A focus on developmentally appropriate content development and implementation, navigating the instructional, managerial and social task systems using effective teaching behaviors and enhancing student learning through an interdisciplinary approach in elementary schools.

**Contact department for information to register for this course.**

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**KNES785      Internship in Physical Activity and Public Health**

(Perm req)

Credits: 3                      Grading Method: Regular

*Prerequisite: KNES600, EPIB610, EPIB650, HLSA601, HLTH665, MIEH600, and KNES601.  
Recommended: KNES602.*

*The internship is a time-limited, supervised period of public/community health activities carried out in a health or allied health organization involved with physical activity. Students gain practical experience in areas such as program planning and implementation, program evaluation, public policy analysis, research, and management.*

0101	James Hagberg	Seats (Total: 1)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**KNES789      Advanced Projects in Kinesiology**

Credits: 1-3      Grading Method: Regular

*Advanced projects examining current problems and trends in kinesiology.*

**Contact department for information to register for this course.**

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**KNES789Z      Advanced Projects in Kinesiology; Professional Development and Capstone**

Credits: 3      Grading Method: Regular

*Advanced projects examining current problems and trends in kinesiology.*

Examines current scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement. Outreach Secondary MCERT-KNES. Departmental Permission Required.

**Contact department for information to register for this course.**

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**KNES798      Internship in Physical Education/Sports Management**

Credits: 1-8      Grading Method: Regular,  
Audit

*Practical application of previously acquired skills and knowledge in a sport and/or physical education setting. Emphasis on selected experiences to enhance the total academic program of the student. The internship site assignment will depend upon student's background and career goals.*

**Contact department for information to register for this course.**

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**KNES799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**KNES898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

0101	James Hagberg	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	James Hagberg	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## KNES899

### Doctoral Dissertation Research

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

## LARC

## Landscape Architecture

## Summer 2017

### LARC151

#### Urban Agriculture: Designing and Assessing Edible Landscapes

Credits: 3

Grading Method: Regular

General Education: DSSP,  
SCIS

*Students will examine the growing development of urban agriculture and edible landscapes. Urban agriculture has seen a recent growth and interest in cities across the globe. From Paris to New York, from Baltimore to Detroit, urban agriculture is an emerging land use to address a variety of needs. Redevelopment, food deserts, community engagement and environmental justice are just some of the issues and topics that are connected to the recent growth of urban agriculture. This course will take a critical examination of urban agriculture's contribution to the food system, its input and outputs in the urban landscape, and the planning and design of urban agriculture and edible landscapes.*

WB41	Victoria Chanse	Seats (Total: 15)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE

### LARC160

#### Introduction to Landscape Architecture

Credits: 3

Grading Method: Regular

CORE: HO

General Education: DSHU,  
DSSP

*History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.*

WB11	Kelly Cook	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**LARC188A      Special Topics in Landscape Architecture; Italy: Terrapin Take Off: Public Spaces: Then and Now**

Credits: 3                      Grading Method: Regular

*A lecture course for students interested in Landscape Architecture to cover topics not formally taught in existing courses. An introductory class on a group of closely-related topics for students with an interest in this discipline.*

**Contact department for information to register for this course.**

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**LARC451      Sustainable Communities**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Explores concepts, strategies and examples of community design which address the needs of a growing population while preserving the environment and its resources.*

**Contact department for information to register for this course.**

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**LARC471      Capstone Studio: Community Design**

Credits: 5                      Grading Method: Regular,  
Pass-Fail, Audit                      CORE: CS

*Prerequisite: LARC440; and LARC470. Restriction: Senior standing; and must be in Landscape Architecture program.*

*A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.*

**Contact department for information to register for this course.**

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**LARC489A      Special Topics in Landscape Architecture; Italy: Architecture and Music**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.*

**Contact department for information to register for this course.**

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**LARC489C      Special Topics in Landscape Architecture**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.*

**Contact department for information to register for this course.**

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**LARC499      Independent Studies in Landscape Architecture**

(Perm req)                      Credits: 1-4                      Grading Method: Regular

*Independent studies in landscape architecture including field, studio or library research under the direction of a faculty member.*

**Contact department for information to register for this course.**

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**LARC799      Master's Thesis Research**

(Perm req)                      Credits: 1-6                      Grading Method: Regular

*Development of a terminal thesis on a problem in landscape architecture, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.*

**Contact department for information to register for this course.**

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**LBSC      Library Science****Summer 2017**

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**LBSC602      Serving Information Needs**

Credits: 3                      Grading Method: Regular,  
Audit

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC602, or both LBSC601 and LBSC650.*

*An introduction to the skills necessary to interact directly with individuals through the exploration of user behavior theory, strategies to locate and evaluate information from print and electronic resources, and policies and procedures to ensure that all individuals can become information literate.*

SG10	Rachel Gammons	Seats (Total: 25)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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## History of the Book

*Introduction to the history and development of the book from pre-printing and incunabula to the post-modern book. Book illustration; publishing; collecting.*

0201	Stephen Greenberg	Seats (Total: 30)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 6:00pm - 9:15pm	HBK 2119

## Diverse Populations, Inclusion, and Information

*Importance of equality of information access. Social, political, and technological barriers to information. Information needs of diverse and underrepresented populations. Principles of inclusive information services.*

SG10	Renee Hill	Seats (Total: 25)
<b>Meets May 30, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

## Achieving Organizational Excellence

*Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.*

SG10	Bruce Dearstyne	Seats (Total: 25)
<b>Meets May 30, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

**LBSC646**

Credits: 3

*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC646 or LBSC746. Formerly: LBSC746.*

*Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.*

SG10	Deborah Taylor	Seats (Total: 25)
<b>Meets May 30, 2017 - August 18, 2017</b>		
	Class time/details on ELMs	ONLINE

**LBSC707**

Credits: 3

*Prerequisite: LBSC602, LBSC671, and LBSC631; and must have completed an additional 9 credits. Or permission of instructor. Restriction: Must be in Library and Information Science (Master's) program; and permission of INFO-College of Information Studies.*

*Supervised internship experience in a library, archive, museum, or other information organization.*

SG10	Rocco Debonis	Seats (Total: 25)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

**LBSC709**

Credits: 1-3

*Intensive individual study, reading, or research in an area of specialized interest under faculty supervision.*

**Contact department for information to register for this course.**

**LBSC744**

(Perm req)

*Prerequisite: LBSC640, LBSC742, and LBSC741; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.*



*Opportunities to observe and participate in the operation of school libraries at the elementary and secondary levels under the supervision of certified school librarians.*

SG01	Renee Hill	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

## LBSC791 Designing Principled Inquiry

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: LBSC671, LBSC602, and LBSC631; and additional 15 credits in LBSC course work.*

*Restriction: Permission of INFO-College of Information Studies.*

*Critical analysis of roles of information professions and institutions in integrating theory, methods, practice, policies, and values of the field, and applying them to the design of future information systems and services.*

SG10	Ursula Gorham-Oscilowski	Seats (Total: 25)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

## LBSC799 Master's Thesis Research

(Perm req)

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

# LGBT Lesbian Gay Bisexual Transgender Studies Summer 2017

## LGBT327 Lesbian, Gay, Bisexual, and Transgender Film and Video

Credits: 3      Grading Method: Regular, Pass-Fail, Audit, D      General Education: DSHU, DVUP

*Restriction: Junior standing or higher.*

*Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.*

Also offered as ENGL359F. Credit granted for LBGT327 or ENGL359F.

WB21	James Goodwin	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

**LGBT386**      **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**  
 (Perm req)  
 Credits: 3-6      Grading Method: Regular      General Education: DSSP, DVCC  
*Prerequisite: 9 credits in LGBT courses. Restriction: Permission of LGBT Studies Program.*  
*Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.*  
**Contact department for information to register for this course.**

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## LING      Linguistics      Summer 2017

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**LING299**      **Directed Studies in Linguistics**  
 (Perm req)  
 Credits: 1-3      Grading Method: Regular, Pass-Fail  
*Independent study or research on language under the supervision of a faculty member.*  
**Contact department for information to register for this course.**

**LING499**      **Directed Studies in Linguistics**  
 (Perm req)  
 Credits: 3      Grading Method: Regular, Pass-Fail, Audit  
*Independent study or research on language under the supervision of a faculty member.*  
**Contact department for information to register for this course.**

**LING689**      **Independent Study**  
 Credits: 1-3      Grading Method: Regular, Audit  
*Independent studies in grammatical theory.*

0101	Instructor: TBA	Seats (Total: 2)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0201	Instructor: TBA	Seats (Total: 2)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**LING698      Directed Study**

(Perm req)

Credits: 3      Grading Method: Regular

**Contact department for information to register for this course.**

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**LING798      Research Papers in Linguistics**

Credits: 1-6      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**LING799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**LING889      Directed Research**

(Perm req)

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**LING895      Doctoral Research Paper**

(Perm req)

Credits: 6      Grading Method: Regular

0101	Instructor: TBA	Seats (Total: 2)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0117	Ellen Lau	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Instructor: TBA	Seats (Total: 2)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

0217	Ellen Lau	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**LING896      Research Paper in Minor Area**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: LING895.*

*This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.*

0101	Instructor: TBA	Seats (Total: 1)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Instructor: TBA	Seats (Total: 1)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**LING898      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular, Sat-  
   Fail

**Contact department for information to register for this course.**

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**LING899      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**MATH      Mathematics    Summer 2017**

**MATH107      Introduction to Math Modeling and Probability**

Credits: 3                      Grading Method: Regular,  
   Pass-Fail, Audit

General Education: FSMA

*Prerequisite: Must have math eligibility of Math 107 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences;; and must not have completed MATH120, MATH130, or MATH140; and must not have completed MATH220; and must not have completed any MATH or STAT course with a prerequisite of MATH120, MATH130, MATH140 or MATH220. Credit only granted for: STAT100, MATH107, MATH110, MATH111, MATH112, or MATH113. Formerly: Math 110 and Math 111. Additional information: Students who have credits for MATH107 may not also receive credits for STAT100, MATH110, MATH 111, MATH112, or MATH113.*

*A goal is to convey the power of mathematics as shown by a variety of problems which can be modeled and solved by quantitative means. Also included is an introduction to probability. Topics include data analysis, equations, systems of equations, inequalities, elementary linear programming, Venn diagrams, counting, basic probability, permutations, combinations, tree diagrams, standard normal and normal distributions. The mathematics of finance is covered. The course includes problem solving and decision making in economics, management, and social sciences.*

0201	Charles Daly	Seats (Total: 15)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0409

## MATH113

### College Algebra and Trigonometry

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: FSMA

*Prerequisite: Must have math eligibility of MATH113 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH 003 with appropriate eligibility. Restriction: Must not have completed MATH120, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH120, MATH130, MATH140 or MATH220; and must not have completed MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH107, MATH110, MATH112, or MATH115.*

*Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.*

0101	Karen McLaren	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH B0425
0201	Yiran Li	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH 0411

**MATH115****Precalculus**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSMA

*Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113. Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113.*

*Preparation for MATH120, MATH130 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.*

0101	Asia Wyatt	Seats (Total: 28)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH 0403
0201	Raluca Rosca	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH B0423

**MATH120****Elementary Calculus I**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSAR,  
FSMA

*Prerequisite: 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115). Or must have math eligibility of MATH120 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering, the biological sciences, biochemistry, chemistry, or the physical sciences. Credit only granted for: MATH120, MATH130, MATH140, or MATH220. Formerly: MATH 220.*

*Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.*

0101	Jeremiah Emidih	Seats (Total: 27)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0401
0102	Franck Ndjakou Njeunje	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0405

0201	Daniel Kaufman	Seats (Total: 28)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH 0304

## MATH140

### Calculus I

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: MS      General Education: FSAR, FSMA

*Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH120, MATH130, MATH220, or MATH140.*

*Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.*

0101	Cara Peters	Seats (Total: 26)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWThF 8:00am - 9:20am	MTH 0411
0102	Robert Maschal	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0103
0103	Matthew Becker	Seats (Total: 28)
	<b>Meets May 30, 2017 - July 21, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH 0103

## MATH141

### Calculus II

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: MS

*Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH121, MATH131, MATH141, or MATH221.*

*Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.*

0101	Corry Bedwell <b>Meets May 30, 2017 - July 21, 2017</b> MTuWThF 8:00am - 9:20am	Seats (Total: 30)  MTH 0106
0102	Samuel Bloom <b>Meets May 30, 2017 - July 21, 2017</b> MTuWThF 9:30am - 10:50am	Seats (Total: 30)  MTH 0106
0103	Adam Lizzi <b>Meets May 30, 2017 - July 21, 2017</b> MTuWThF 11:00am - 12:20pm	Seats (Total: 30)  MTH 0106

## MATH206

### Introduction to Matlab

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH141, MATH131). Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M.*

*This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.*

WB21	Justin Wyss-Gallifent <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 70)  ONLINE
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## MATH240

### Introduction to Linear Algebra

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: BIOE371, MATH240, MATH341, or MATH461.*

*Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.*



0101	Sean Ballentine <b>Meets May 30, 2017 - July 21, 2017</b> MTuWThF 11:00am - 12:20pm	Seats (Total: 20)  MTH 0409
0102	Rebecca Black <b>Meets May 30, 2017 - July 21, 2017</b> MTuWThF 11:00am - 12:20pm	Seats (Total: 20)  MTH 0407

## MATH241

### Calculus III

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.*

*Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.*

0101	Roohollah Ebrahimian <b>Meets May 30, 2017 - July 21, 2017</b> MTuWThF 9:30am - 10:50am	Seats (Total: 25)  MTH 0403
0102	Ryan Kirk <b>Meets May 30, 2017 - July 21, 2017</b> MTuWThF 9:30am - 10:50am	Seats (Total: 25)  MTH 0402

## MATH246

### Differential Equations for Scientists and Engineers

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.*

*An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.*

0101	Jonathan Fernandes <b>Meets May 30, 2017 - July 7, 2017</b> MTuWThF 9:30am - 10:50am	Seats (Total: 33)  MTH 0201
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0102	Jacky Chong	Seats (Total: 33)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	CHM 0119
0201	Xin Dong	Seats (Total: 33)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0304

## MATH310

### Introduction to Mathematical Proof

Credits: 3      Grading Method: Regular

*Prerequisite: Minimum grade of C- in MATH141; and must have completed or be concurrently enrolled in MATH240, MATH341, or MATH461; and must have completed or be concurrently enrolled in MATH241 or MATH340. Restriction: Must be in a major within the CMNS-Mathematics department. Credit only granted for: MATH307 or MATH310. Additional information: Math majors may not use this course to satisfy an upper-level requirement.*

*To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.*

0101	Wiseley Wong	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0302
0201	Justin Wyss-Gallifent	Seats (Total: 28)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0306

## MATH401

### Applications of Linear Algebra

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).*

*Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.*

0101	Allan Yashinski	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 11:00am - 12:20pm	MTH 0401

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## MATH406 Introduction to Number Theory

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department.*

*Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.*

0201	Nathaniael Manning	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 11:00am - 12:20pm	MTH 0305

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## MATH410 Advanced Calculus I

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241); and minimum grade of C- in MATH310. Or students who have taken courses with comparable content may contact the department.*

*First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.*

0101	Steven Chadwick	Seats (Total: 28)
<b>Meets May 30, 2017 - July 21, 2017</b>		
	MTuThF 11:00am - 12:20pm	MTH 1313

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## MATH461 Linear Algebra for Scientists and Engineers

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: BIOE371, MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors.*

*Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.*

0101	Niranjan Ramachandran	Seats (Total: 28)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0101
0201	Kendall Williams	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0105

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## **MATH462      Partial Differential Equations**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340); and 1 course with a minimum grade of C- from (MATH246, MATH341).*

*Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.*

0201	Manoussos Grillakis	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0102

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## **MATH463      Complex Variables for Scientists and Engineers**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH241, MATH340).*

*The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.*

0101	Kasso Okoudjou	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 9:30am - 10:50am	MTH 0411

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**MATH478A      Selected Topics For Teachers of Mathematics**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**MATH478R      Selected Topics For Teachers of Mathematics; Rational Numbers and Early Algebra for Middle School Teachers**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**MATH481      Statistics and Data Analysis for Middle School Teachers**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH214. Restriction: Must be a middle school teacher; and permission of CMNS-Mathematics department. Credit only granted for: MATH481 or MATH485. Additional information: Not applicable to MATH/STAT major or minor requirements.*

*Prepares teachers with elementary certification to teach simple data analysis and probability in middle school. Focuses on understanding basic statistics, data analysis, and related theoretical ideas.*

**Contact department for information to register for this course.**

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**MATH489      Research Interactions in Mathematics**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) mathematics research group. Format varies. Students and supervising faculty will agree to a contract which must be approved by the department. Up to three credits of MATH489 may be applied to the mathematics degree requirements. See the department's MATH489 online syllabus for further information.*

0106	Instructor: TBA	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0206	Instructor: TBA	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**MATH498A      Selected Topics in Mathematics**

(Perm req)

Credits: 1-9      Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the departmental committee on undergraduate studies.*

**Contact department for information to register for this course.**

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**MATH689      Research Interactions in Mathematics**

(Perm req)

Credits: 1-3      Grading Method: Regular,  
Audit

*The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.*

**Contact department for information to register for this course.**

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**MATH799      Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**MATH898      Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**MATH899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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<b>MIEH</b>	<b>Maryland Institute for Applied Environmental Health</b>	<b>Summer 2017</b>
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**MIEH300      A Public Health Perspective: Introduction to Environmental Health**

Credits: 3      Grading Method: Regular

*Prerequisite: CHEM131 and CHEM132. Restriction: Junior standing or higher. And must be in Public Health Science program; or permission of SPHL-School of Public Health. Credit only granted for: SPHL498N or MIEH300. Formerly: SPHL498N.*

*Environmental health is that branch of public health that deals with the human health effects of exposure to chemical, physical, and biological agents in the community, workplace, and home. Activities within Environmental Health Sciences are associated with recognizing, assessing, understanding, and mitigating the impacts of chemical, physical, and biological agents as well as understanding how human behavior and action impacts the environment. The Environmental health field is a broad, multi-disciplinary field. Environmental health scientists face complex problems requiring multi-disciplinary approaches. This course focuses on the central concepts, principles, issues, and applications of the essential scientific components and strategies of control of major environmental health problems.*

WB11	Sacoby Wilson	Seats (Total: 50)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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#### **MIEH309      Environmental Health Research**

Credits: 1-3      Grading Method: Regular

*This research-based course will provide undergraduates with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.*

**Contact department for information to register for this course.**

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#### **MIEH331      The Built Environment, Sustainability, and Public Health: The Good, the Bad, and the Ugly**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Recommended: Completion of MIEH300 with a C- or higher is recommended. Restriction: Must have earned a minimum of 45 credits. Credit only granted for: MIEH215 or MIEH331. Formerly: MIEH215.*

*Provides students with a fundamental understanding of theory, concepts, and issues related to the built environment; how the built environment influences behaviors and health outcomes; and opportunities to improve the built environment through planning, zoning, and community development initiatives that can make communities healthier, just, and more sustainable.*

WB21	Sacoby Wilson	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## MIEH400

### Introduction to Global Health

Credits: 3

Grading Method: Regular

General Education: DVUP

*Prerequisite: Minimum grade of C- in MIEH300. Restriction: Must be in Public Health Science program; or permission of SPHL-School of Public Health. And must have earned a minimum of 60 credits. Credit only granted for: MIEH400 or SPHL498A. Formerly: SPHL498A.*

*Exploration of theoretical frameworks and practical perspectives on issues shaping the global health panorama. Determinants examined through: biological and epidemiological; social, cultural and economic; environmental and geographic; multi-section, legal and institutional perspectives with synopsis of how these issues are addressed by international and community organizations in developing countries.*

WB21	Amir Sapkota	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

## MIEH600

### Foundations of Environmental Health

Credits: 3

Grading Method: Regular,  
Audit

*Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761.*

*Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessment, ecological issues and environmental laws.*

PLH1	Paul Turner	Seats (Total: 10)
	<b>Meets June 29, 2017 - August 10, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in the Master of Public Health Practice and Policy and Graduate Certificate in Principles of Public Health programs.</i>	
WB11	Paul Turner	Seats (Total: 30)
	<b>Meets June 29, 2017 - August 9, 2017</b>	
	Class time/details on ELMs	ONLINE



*This research-based rotation in toxicology and environmental health will provide doctoral students with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research experience and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.*

0101	Paul Turner	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0102	Amir Sapkota	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Amy Sapkota	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Donald Milton	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Robin Puett	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Sacoby Wilson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Lesliam Quiros Alcala	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Devon Payne-Sturges	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

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**MIEH785****Internship in Public Health**

Credits: 3

Grading Method: Regular,  
Audit*Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.**Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.***Contact department for information to register for this course.**

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**MIEH786****Capstone Project in Public Health**

Credits: 3

Grading Method: Regular,  
Audit*Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.**Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.*

0101	Paul Turner	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0102	Amir Sapkota	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0103	Amy Sapkota	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0104	Donald Milton	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0105	Robin Puett	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0106	Sacoby Wilson	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0107	Lesliam Quiros Alcala	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Devon Payne-Sturges	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Paul Turner	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0202	Amir Sapkota	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Amy Sapkota	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0204	Donald Milton	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0205	Robin Puett	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0206	Sacoby Wilson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## MIEH788

(Perm req)

## Critical Readings in Environmental Health

Credits: 1-3

Grading Method: Regular,  
Audit

*In-depth examination and critical discussion of the current literature relevant to environmental health.*

0101	Paul Turner	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0102	Amir Sapkota	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Amy Sapkota	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Donald Milton	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Robin Puett	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Sacoby Wilson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Lesliam Quiros Alcala	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Devon Payne-Sturges	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Paul Turner	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0202	Amir Sapkota	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Amy Sapkota	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0204	Donald Milton	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0205	Robin Puett	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0206	Sacoby Wilson	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**MIEH789      Independent Study**

Credits: 1-6      Grading Method: Regular,  
Audit

*Individual reading and/or research under a specific faculty member in the department.*

**Contact department for information to register for this course.**

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**MIEH799      Master's Thesis Research**

Credits: 1-6      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**MIEH898      Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular

0101	Paul Turner	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0102	Amir Sapkota	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0103	Amy Sapkota	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0104	Donald Milton	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0105	Robin Puett	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Sacoby Wilson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Lesliam Quiros Alcala	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Devon Payne-Sturges	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

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**MIEH899**
**Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

0101	Paul Turner	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0102	Amir Sapkota	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Amy Sapkota	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0104	Donald Milton	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0105	Robin Puett	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0106	Sacoby Wilson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0107	Lesliam Quiros Alcala	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0108	Devon Payne-Sturges	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

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## MLAW MPower Undergraduate Law Programs Summer 2017

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### MLAW298M Special Topics in Legal Studies; Mock Trial

Credits: 3      Grading Method: Regular

*Substantive and experiential approaches to legal phenomena. Topics vary.*

Experience the excitement and reward of arguing, and perhaps winning your client's case in court! Mock Trial is designed to introduce students to the key principles of trial advocacy through a "learn by doing" approach to instruction. While classes will include explanatory lectures, the emphasis will be on learning through student exercises and by students observing and analyzing the performances of others. This hands-on course will culminate in two mock trials where students will serve as attorneys and witnesses.

YS41	Erica Smith	Seats (Total: 18)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 10:00am - 1:00pm	CCC 1111
	<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>	

### MLAW329L Law, Power and Inequality; Netherlands

Credits: 3      Grading Method: Regular

*Does the law protect everyone equally as its principles suggest? Which groups get left out, and why? The course will engage the law's formal guarantees and its real world effects. Class topics will address the roles of law in the war on terror, in climate change, in emancipation and protection of the world's most vulnerable populations, and in law's relationships with religions. In discussing these matters, this course will investigate socio-legal scholarship by questioning the relationships between law, power and inequality comparatively in such countries as the U.S., the Netherlands, South Africa, and Indonesia, etc.*

**Contact department for information to register for this course.**

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**MLAW358A      Selected Topics in Law and Society; Human Trafficking in Context: Reactions to Human Trafficking in Thailand and Cambodia**

Credits: 3                      Grading Method: Regular

*An interdisciplinary exploration of topics in law and society. Major scholarly interpretations of specific substantive fields of law.*

**Contact department for information to register for this course.**

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**MLAW388      Law and Society Internship**

Credits: 1-4                      Grading Method: Regular

*Participation in the Law and Society Internship (LASI) offers students the opportunity to enhance their education through practical skill building in the realm of law-related professionals.*

Restricted to students in the Law and Society minor.

WB11	Brandee Pettus	Seats (Total: 35)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**MOCB      Molecular and Cell Biology      Summer 2017**

**MOCB699      Laboratory Rotation**

Credits: 2-3                      Grading Method: Sat-Fail

*Laboratory experience in molecular-cell biology.*

**Contact department for information to register for this course.**

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**MOCB899      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Sat-Fail



0101	Instructor: TBA <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 30)
0182	Daniel Nelson <b>Meets May 30, 2017 - July 7, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0201	John Moulton <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 2)
0206	Louisa Wu <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0263	Zhongchi Liu <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)
0277	Volker Briken <b>Meets July 10, 2017 - August 18, 2017</b> Contact instructor or department for details.	Seats (Total: 5)

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## MUED Music Education Summer 2017

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### MUED698M Current Trends in Music Education; Comprehensive Musicianship Through Performance

Credits: 1-3      Grading Method: Regular,  
Audit

*A survey of current and emerging philosophies, methodologies and curricula in music education and their implementation. The influence of educational and social changes and the expanding musical scene upon the music programs for children of all ages and for teacher education.*

HY51	Stephanie Prichard <b>Meets June 19, 2017 - July 7, 2017</b> MTuWTh 9:00am - 12:30pm Class time/details on ELMs	Seats (Total: 10)  PAC 2130A ONLINE
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### MUED698V Current Trends in Music Education; Vocal Pedagogy for the Choral Conductor

Credits: 1-3      Grading Method: Regular,  
Audit

*A survey of current and emerging philosophies, methodologies and curricula in music education and their implementation. The influence of educational and social changes and the expanding musical scene upon the music programs for children of all ages and for teacher education.*

Improve your working knowledge of the fundamentals of teaching singing to children and adolescents in choral settings. Learn about breathing, the anatomy of speech and voice, resonance, articulation, and vocal health (the students and the teacher's), and how to apply these techniques to improved classroom instruction and rehearsal.

WB21	Kenneth Elpus	Seats (Total: 50)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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## MUSC School of Music Summer 2017

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### MUSC140

#### Music Fundamentals I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSSP

*Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).*

*Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.*

0201	Eric Pazdziora	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuW 11:00am - 12:40pm		PAC 3164
Th 11:00am - 12:40pm		PAC 1108      Lab

### MUSC269A

#### Special Topics in Study Abroad II; Enhancing Spanish Language and Cultural Knowledge Through Music

Credits: 1      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

### MUSC269I

#### Special Topics in Study Abroad II; History of Italian Music

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**MUSC388****Music Internship**

(Perm req)

Credits: 3                      Grading Method: Regular

*Pre-professional field work in music.***Contact department for information to register for this course.**

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**MUSC389****Music Internship Analysis; Music Internship Analysis**

(Perm req)

Credits: 1                      Grading Method: Regular

*Documentation and evaluation of field work experience.***Contact department for information to register for this course.**

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**MUSC448****Selected Topics in Music**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit**Contact department for information to register for this course.**

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**MUSC463****Applications in Music Technology**Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A hands-on study of computer hardware and software that makes use of the MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.*

0501	Quinn Dizon	Seats (Total: 15)
<b>Meets June 19, 2017 - July 7, 2017</b>		
	MTuWThF 1:00pm - 4:00pm	PAC 1108

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**MUSC499****Independent Studies**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Independent research on a topic chosen in consultation with the instructor, which may culminate in a paper or appropriate project.*

**Contact department for information to register for this course.**

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**MUSC699**

**Selected Topics in Music**

Credits: 1-3      Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

**MUSC799**

**Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

**MUSC898**

**Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

**MUSC899**

**Doctoral Dissertation Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

**NFSC**

**Nutrition and Food Science**

**Summer 2017**

**NFSC103**

**Nutrition and Sports Performance**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Nutrition and Sports Performance would give students a brief overview of positive health-related outcomes of a physically active lifestyle. Students would design a fitness regimen and be able to describe when and how glycogen, blood glucose, fat, and protein are used to meet energy needs during different types of physical activity. They would be able to differentiate between anaerobic and aerobic use of glucose, and identify advantages and disadvantages of each. This course would outline how to estimate and athlete's calorie need and discuss the general principles for meeting overall nutrient requirements in the training diet. The problems associated with rapid weight loss by dehydration and the importance of water and/or sports drinks during exercise would be examined. An understanding of the importance of staying well-nourished with carbohydrate, protein, and various vitamins and minerals before, during, and after training would be discussed.*

WB21

Saira Khan

Seats (Total: 30)

**Meets July 10, 2017 - August 18, 2017**

Class time/details on ELMs

ONLINE

**NFSC490**

**Special Problems in Nutrition**

(Perm req)

Credits: 2-3

Grading Method: Regular,  
Pass-Fail, Audit

General Education: DSSP

*Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.*

*Individually selected problems in the area of human nutrition.*

**Contact department for information to register for this course.**

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**NFSC498A**

**Selected Topics; Individual Study**

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

*Selected current aspects of food.*

**Contact department for information to register for this course.**

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**NFSC498G**

**Selected Topics; Ghana: A Feed the Future Classroom**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Selected current aspects of food.*

**Contact department for information to register for this course.**

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**NFSC498M**

**Selected Topics; Health Implications of the Mediterranean Diet and Culture**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Selected current aspects of food.*

**Contact department for information to register for this course.**

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**NFSC699**

**Problems in Nutrition and Food Science**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

*Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.*

**Contact department for information to register for this course.**

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**NFSC799**

**Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-  
Fail

*First and second semesters. Credit in proportion to work done and results accomplished. Investigation in some phases of foodservice administration which may form the basis of a thesis. results in the form of a thesis.*

**Contact department for information to register for this course.**

## NFSC898

### Pre-Candidacy Research

Credits: 1-8                      Grading Method: Regular, Sat-Fail

*First and second semesters. Oral reports on special topics or recently published research in nutrition. Distinguished scientists are invited as guest lecturers. A maximum of three credits allowed for the M.S.*

0101	Robert Jackson	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0103	Qin Wang	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0115	Liangli Yu	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0116	Robert Buchanan	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0121	Rohan Tikekar	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0133	Shaik Rahaman	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Robert Jackson	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0203	Qin Wang	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0215	Liangli Yu	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
0216	Robert Buchanan	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## NFSC899

### Doctoral Dissertation Research

Credits: 1-8      Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

## PERS

## Persian

## Summer 2017

### PERS105

#### Intensive Elementary Persian I

(Perm req)

Credits: 6      Grading Method: Regular, Pass-Fail

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Open to beginning learners of Persian only.*

*Intensive training in spoken and written Persian at elementary level. Basic literacy skills, vocabulary, pronunciation and grammar developed through a highly interactive approach. Substantial cultural component familiarizing students with cultural themes related to Iran and the Persian speaking world. Taught in Persian.*

Registration limited to students accepted into the Summer Language Institute.

*[Click here for more course information.](#)*

XL11	Elham Monfaredi	Seats (Total: 15)
<b>Meets May 31, 2017 - June 30, 2017</b>		
MTuWThF 9:00am - 5:00pm		HJP 3120

### PERS106

#### Intensive Elementary Persian II

(Perm req)

Credits: 6      Grading Method: Regular, Pass-Fail

*Prerequisite: Pre-requisite: PERS105, or equivalent, as determined by the FLPT (Foreign Language Placement Test).*

*Intensive training in spoken and written Persian at elementary level (ACTFL Novice High to Intermediate Low). Continues building basic literacy skills, vocabulary, and grammar through highly a interactive approach. Substantial cultural component familiarizing students with cultural themes related to Iran and the Persian speaking world. Taught in Persian.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL21	Elham Monfaredi	Seats (Total: 15)
<b>Meets July 4, 2017 - August 5, 2017</b>		
MTuWThF 9:00am - 5:00pm		HJP 3120

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**PERS205**      **Intensive Intermediate Persian I**

(Perm req)

Credits: 6      Grading Method: Regular

*Prerequisite: PERS106; or equivalent as determined by Foreign Language Placement Test (FLPT).*

*Development of Persian language proficiency and cultural knowledge at the intermediate level (Intermediate-Mid on ACTFL scale). Taught in Persian.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL11	Manizhe Galledari	Seats (Total: 15)
<b>Meets May 31, 2017 - June 30, 2017</b>		
MTuWThF 9:00am - 5:00pm		HJP 2123

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**PERS206**      **Intensive Intermediate Persian II**

(Perm req)

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PERS205; or equivalent, as determined by the FLPT (Foreign Language Placement Test).*

*Designed to further develop Persian language proficiency and cultural knowledge at an intermediate level (Intermediate High on ACTFL scale). Taught in Persian.*

Registration limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)



XL21	Manizhe Galledari	Seats (Total: 15)
	<b>Meets July 4, 2017 - August 5, 2017</b>	
	MTuWThF 9:00am - 5:00pm	HJP 2123

### **PERS305 Intensive Advanced Persian I**

(Perm req)

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have completed PERS206; or equivalent as determined by Foreign Language Placement Test (FLPT).*

*Development of Persian language proficiency and cultural competence at an advanced level (Advanced Low on ACTFL scale). Taught in Persian.*

Registration is limited to students accepted into the Summer Language Institute.

*[Click here for more course information.](#)*

XL11	Bahareh Jalehmahmoudi	Seats (Total: 15)
	<b>Meets May 31, 2017 - June 30, 2017</b>	
	MTuWThF 9:00am - 5:00pm	HJP 3115

### **PERS306 Intensive Advanced Persian II**

(Perm req)

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PERS305; or equivalent as determined by FLPT (Foreign Language Placement Test).*

*Continued development of Persian language proficiency at an Advanced Mid level on ACTFL scale through a whole language approach integrating listening, speaking, reading and writing. Taught in Persian.*

Registration is limited to students accepted into the Summer Language Institute.

*[Click here for more course information.](#)*

XL21	Bahareh Jalehmahmoudi	Seats (Total: 15)
	<b>Meets July 4, 2017 - August 5, 2017</b>	
	MTuWThF 9:00am - 5:00pm	HJP 3115

### **PERS405 Media and the Current Issues in Iranian Society**

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PERS306; or equivalent as determined by FLPT (Foreign Language Placement Test).*

*Develops Persian language proficiency and domain-specific knowledge at advanced-mid to advanced-high level on ACTFL scale. Enhances linguistic and cultural competence. Provides a broad understanding of some of the current social, political and economic issues in modern Iran. Taught in Persian.*

Registration is limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL11	Ali Abasi	Seats (Total: 15)
<b>Meets May 31, 2017 - June 30, 2017</b>		
MTuWThF 9:00am - 5:00pm		HJP 3117

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## **PERS406**      **Practicum in Persian Translation**

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PERS306; or equivalent as determined by the FLPT (Foreign Language Placement Test).*

*Provides opportunities for translation, interpretation, and analysis of various authentic oral and written texts (both English to Persian and Persian to English). Facilitates the development of Persian language proficiency at advanced level through a task-based approach that integrates all the language skills in pedagogical translation activities.*

Registration is limited to students accepted into the Summer Language Institute.

[Click here for more course information.](#)

XL21	Ali Abasi	Seats (Total: 15)
<b>Meets July 4, 2017 - August 5, 2017</b>		
MTuWThF 9:00am - 5:00pm		HJP 3117

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## **PHIL**      **Philosophy**      **Summer 2017**

[Click here for detailed course descriptions.](#)

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### **PHIL100**      **Introduction to Philosophy**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: HO      General Education: DSHU

*An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.*

WB51	Aiden Woodcock	Seats (Total: 30)
<b>Meets June 19, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

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**PHIL140 Contemporary Moral Issues**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU

*The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.*

WB31	Charles Barclay	Seats (Total: 30)
<b>Meets May 31, 2017 - June 17, 2017</b>		
Class time/details on ELMs		ONLINE

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**PHIL170 Introduction to Logic**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: MS      General Education: FSAR

*Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.*

WB31	Michael Dascal	Seats (Total: 32)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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**PHIL209A Philosophical Issues; Bioethics**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSHU, DSSP

*An examination of selected philosophical issues of general interest.*

WB41	Kelsey Gipe	Seats (Total: 26)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs		ONLINE

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**PHIL209J Philosophical Issues: The Rights and Wrongs of Killing People**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HO      General Education: DSHU, SCIS

0501	Andrew Knoll	Seats (Total: 25)
<b>Meets June 19, 2017 - July 7, 2017</b>		
MTuWThF 10:00am - 1:00pm	SKN 1112	

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**PHIL209Q Philosophical Issues; The Art of Thinking**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An examination of selected philosophical issues of general interest.*

YS41	Christian Tarsney	Seats (Total: 20)
<b>Meets July 10, 2017 - July 28, 2017</b>		
MTuWThF 10:00am - 1:00pm		KEY 0117
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

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**PHIL309C Philosophical Problems; Climate Change Ethics**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A focused study of a contemporary philosophical problem or issue. Topics will vary, but the course will encourage students to generate critical analyses or proposed resolutions of issues in the contemporary philosophical literature.*

WB61	Julius Schoenherr	Seats (Total: 30)
<b>Meets July 31, 2017 - August 18, 2017</b>		
Class time/details on ELMs	ONLINE	

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**PHIL409B Advanced Studies in Contemporary Philosophy; Existentialism, Right and Wrong**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*An in-depth study of a contemporary philosophical problem or issue. Topics will vary, but the course will encourage students to grapple with the primary literature in order to generate sustained critical analyses or proposed resolutions of issues under active consideration in contemporary philosophy.*

WB41	Javiera Perez-Gomez	Seats (Total: 30)
<b>Meets July 10, 2017 - July 28, 2017</b>		
Class time/details on ELMs	ONLINE	

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**PHIL498 Topical Investigations**

(Perm req) Credits: 1-3 Grading Method: Regular,  
Pass-Fail, Audit  
**Contact department for information to register for this course.**

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**PHIL688** **Selected Problems in Philosophy**  
(Perm req) Credits: 1-3 Grading Method: Regular,  
Audit  
**Contact department for information to register for this course.**

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**PHIL788** **Research in Philosophy**  
(Perm req) Credits: 1-6 Grading Method: Regular,  
Audit  
**Contact department for information to register for this course.**

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**PHIL799** **Master's Thesis Research**  
Credits: 1-6 Grading Method: Regular  
Contact department to make arrangements.  
**Contact department for information to register for this course.**

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**PHIL898** **Pre-Candidacy Research**  
Credits: 1-8 Grading Method: Regular, Sat-  
Fail  
**Contact department for information to register for this course.**

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**PHIL899** **Doctoral Dissertation Research**  
Credits: 1-8 Grading Method: Regular  
Contact department to make arrangements.  
**Contact department for information to register for this course.**

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## **PHSC** **Public Health Science** **Summer 2017**

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**PHSC401** **History of Public Health**  
Credits: 3 Grading Method: Regular  
*Restriction: Must be in Public Health Science program; and must have earned a minimum of 45 credits.  
Credit only granted for: PHSC401 or SPHL401. Formerly: SPHL401.*

*Emphasis is on the history of public health in the Western world from antiquity to the present. Also examines the influence of public health developments as they relate to the Western world as well as throughout diverse cultures and societies across the globe. Analysis focuses on the interaction among Western and non-Western cultures with respect to health issues, including science, policies, prevention and treatment.*

WB31	Marian Jones	Seats (Total: 40)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE

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## PHYS      Physics Summer 2017

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### PHYS121      Fundamentals of Physics I

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121, PHYS131, or PHYS331.*

*The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools.*

Students must pay a \$50.00 Laboratory Materials fee.

0181	Sergio Picozzi	Seats (Total: 28)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 5:30pm - 6:50pm	PHY 1201
	TuTh 7:00pm - 9:00pm	PHY 3306      Lab
	MW 7:00pm - 8:00pm	PHY 1201      Discussion
0182	Sergio Picozzi	Seats (Total: 28)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 5:30pm - 6:50pm	PHY 1201
	MW 7:00pm - 9:00pm	PHY 3306      Lab
	TuTh 7:00pm - 8:00pm	PHY 1201      Discussion

### PHYS122      Fundamentals of Physics II

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122, PHYS132, or PHYS332.*

*A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools.*

Students must pay a \$50.00 Laboratory Materials fee.

0281	Sergio Picozzi	Seats (Total: 24)		
	<b>Meets July 10, 2017 - August 18, 2017</b>			
	MTuWThF 5:30pm - 6:50pm	PHY 1410		
	TuTh 7:00pm - 9:00pm	PHY 3312	Lab	
	MW 7:00pm - 8:00pm	PHY 1204	Discussion	
0282	Sergio Picozzi	Seats (Total: 24)		
	<b>Meets July 10, 2017 - August 18, 2017</b>			
	MTuWThF 5:30pm - 6:50pm	PHY 1410		
	MW 7:00pm - 9:00pm	PHY 3312	Lab	
	TuTh 7:00pm - 8:00pm	PHY 1204	Discussion	

## PHYS131 Fundamentals of Physics for Life Sciences I

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: MATH130, MATH131, and CHEM131; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121, PHYS131, or PHYS331.*

*The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.*

0101	David Buehrle	Seats (Total: 24)		
	<b>Meets May 30, 2017 - July 7, 2017</b>			
	MTuWThF 9:30am - 10:50am	PHY 1201		
	TuTh 12:00pm - 1:50pm	PHY 3310	Lab	
	MW 11:00am - 11:50am	MTH 0306	Discussion	

## PHYS132 Fundamentals of Physics for Life Sciences II

Credits: 4      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122, PHYS132, or PHYS332.*

*The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts.*

0201	David Buehrle	Seats (Total: 24)	
<b>Meets July 10, 2017 - August 18, 2017</b>			
	MTuWThF 9:30am - 10:50am	PHY 1410	
	TuTh 12:00pm - 1:50pm	PHY 3312	Lab
	MW 11:00am - 11:50am	MTH 0201	Discussion

## PHYS141 Principles of Physics

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Corequisite: MATH141 or MATH121; or MATH221. Credit only granted for: PHYS141, PHYS161, or PHYS171.*

*The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools.*

0181	Sergio Picozzi	Seats (Total: 14)	
<b>Meets May 30, 2017 - July 7, 2017</b>			
	MTuWThF 5:30pm - 6:50pm	PHY 1201	
	TuTh 7:00pm - 9:00pm	PHY 3219	Lab
	MW 7:00pm - 7:50pm	PHY 1219	Discussion

## PHYS142 Principles of Physics

Credits: 4      Grading Method: Regular, Pass-Fail, Audit      CORE: PL      General Education: DSNL

*Prerequisite: PHYS141; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.*

*A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics.*

0281	Sergio Picozzi	Seats (Total: 27)	
<b>Meets July 10, 2017 - August 18, 2017</b>			
	MTuWThF 5:30pm - 6:50pm	PHY 1410	
	TuTh 7:00pm - 9:00pm	PHY 3213	Lab
	MW 7:00pm - 7:50pm	MTH B0421	Discussion



**PHYS161****General Physics: Mechanics and Particle Dynamics**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: PS      General Education: DSNS

*Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.*

*First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation.*

0101	Matthew Severson	Seats (Total: 32)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 2:30pm - 3:50pm	PHY 1219	
	TuTh 1:30pm - 2:20pm	PHY 1219	Discussion

**PHYS260****General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      General Education: DSNL (if taken with PHYS261)

*Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, PHYS260, or PHYS272.*

*Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester.*

0201	David Buehrle	Seats (Total: 36)	
	<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTuWThF 11:00am - 12:20pm	CHM 0115	
	TuTh 10:00am - 10:50am	CHM 0115	Discussion

**PHYS261****General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

Credits: 1      Grading Method: Regular, Pass-Fail, Audit

*Corequisite: PHYS260.*

*Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester.*

There is a \$50.00 lab fee for this course.

0201	David Buehrle	Seats (Total: 36)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 1:00pm - 4:00pm	PHY 3219      Lab

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**PHYS261M      General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

(Perm req)

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Corequisite: PHYS260.*

*Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester.*

0201	David Buehrle	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		
<i>Restricted to students transferring a lab grade from a previous semester.</i>		

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**PHYS270      General Physics: Electrodynamics, Light, Relativity and Modern Physics**

Credits: 3      Grading Method: Regular,      General Education: DSNL (if  
Pass-Fail, Audit      taken with PHYS271)

*Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271.*

*Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.*

0101	David Buehrle	Seats (Total: 24)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuWThF 11:00am - 12:20pm	CHM 1228
	MW 10:00am - 10:50am	CHM 1228      Discussion

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**PHYS271      General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS261. Corequisite: PHYS270.*

*Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.*

There is a \$50.00 lab fee for this course.

0101	David Buehrle	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 1:00pm - 4:00pm	PHY 3213      Lab

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**PHYS271M      General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PHYS261. Corequisite: PHYS270.*

*Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester.*

0101	David Buehrle	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

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**PHYS299      Special Problems in Physics**

(Perm req)      Credits: 1-6      Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.*

**Contact department for information to register for this course.**

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**PHYS399      Special Problems in Physics**

(Perm req)      Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Selected advanced experiments. (Will be given with sufficient demand.)*

**Contact department for information to register for this course.**

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**PHYS499      Special Problems in Physics**

(Perm req)      Credits: 1-16      Grading Method: Regular,  
Pass-Fail, Audit

*Research or special study. Credit according to work done.*

**Contact department for information to register for this course.**

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**PHYS798      Special Problems in Advanced Physics**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*Projects or special study in advanced physics.*

Contact department to make arrangements.

**Contact department for information to register for this course.**

**PHYS798I Special Problems in Advanced Physics; RF Superconductivity: Physics, Technology and Applications**

Credits: 3

Grading Method: Regular,  
Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

**PHYS798J Special Problems in Advanced Physics; Beam Dynamics Experiments on University of Maryland Electron Ring**

Credits: 3

Grading Method: Regular,  
Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

**PHYS798K Special Problems in Advanced Physics; Beam Physics with Intense Space Charge**

Credits: 2-3

Grading Method: Regular,  
Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

**PHYS798M Special Problems in Advanced Physics; Medical Applications of Accelerators**

Credits: 1

Grading Method: Regular,  
Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

**PHYS7980 Special Problems in Advanced Physics: Laser Plasma Accelerators**

Credits: 1

Grading Method: Regular,  
Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

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**PHYS798Q      Special Problems in Advanced Physics; Vacuum Electron Devices**

Credits: 1                      Grading Method: Regular,  
   Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

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**PHYS798R      Special Problems in Advanced Physics; Beam-Based Diagnostics**

Credits: 1                      Grading Method: Regular,  
   Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

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**PHYS798T      Special Problems in Advanced Physics; Radiation Detection and Imaging for Medicine and Homeland Security**

Credits: 1                      Grading Method: Regular,  
   Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

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**PHYS798V      Special Problems in Advanced Physics; Laser Application to Accelerators**

Credits: 1                      Grading Method: Regular,  
   Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

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**PHYS798W      Special Problems in Advanced Physics; Microwave Sources**

Credits: 1                      Grading Method: Regular,  
   Audit

*Projects or special study in advanced physics.*

**Contact department for information to register for this course.**

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**PHYS798X      Special Problems in Advanced Physics; Control Room Accelerator Physics**

Credits: 1                      Grading Method: Regular,  
   Audit

*Projects or special study in advanced physics.*

Contact department for information to register for this course.

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**PHYS799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular

Contact department for information to register for this course.

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**PHYS898 Pre-Candidacy Research**

(Perm req)

Credits: 1-8      Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

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**PHYS899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

Contact department for information to register for this course.

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**PLSC Plant Sciences Summer 2017**

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**PLSC399 Special Problems in Plant Science**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Research projects in Plant Science including field, greenhouse, laboratory, studio and/or library studies. Research is conducted under the direction of a faculty member.*

0104	Mark Carroll	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0108	Steven Cohan	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0110	Gary Coleman	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0118	Kathryne Everts	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

0128	John Lea-Cox	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0132	Lea Johnson	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0136	Maile Neel	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0142	Joseph Roberts	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0144	William Phillips	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0146	Joseph Sullivan	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0152	Christopher Walsh	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0156	Priscila Chaverri	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0160	Cassandra Swett	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0162	Jianhua Zhu	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	

0164	James Culver	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0166	Shunyuan Xiao	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0170	Shirley Micallef	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0171	Yiping Qi	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0172	Kate Tully	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0174	Angus Murphy	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0176	Burkhard Schulz	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0204	Mark Carroll	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0208	Steven Cohan	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0210	Gary Coleman	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	



0218	Kathryne Everts	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0228	John Lea-Cox	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0232	Lea Johnson	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0236	Maile Neel	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0242	Joseph Roberts	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0244	William Phillips	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0246	Joseph Sullivan	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0252	Christopher Walsh	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0256	Priscila Chaverri	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0260	Cassandra Swett	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

0262	Jianhua Zhu	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0264	James Culver	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0266	Shunyuan Xiao	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0270	Shirley Micallef	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0271	Yiping Qi	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 20, 2017</b>	
	Contact instructor or department for details.	
0272	Kate Tully	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0274	Angus Murphy	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0276	Burkhard Schulz	Seats (Total: 10)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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**PLSC489T Special Topics in Plant Science; Tropical Fungi and Plant Health: Cosat Rica**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.*

**Contact department for information to register for this course.**

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**PLSC689J Special Topics; Tropical Fungi and Plant Health**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.*

This field course in Costa Rica will teach students about fungi in their natural habitats and in agricultural settings. Students will learn how fungi can affect crop and natural plants. This will be accomplished by hands-on learning in the field and laboratory in the forests and agricultural fields where the plants grow. Students will visit natural tropical forests, and collect and identify from microscopic to macroscopic mushrooms. The students will also visit farms where different crops are produced, from very local subsistence agriculture (for example, rice and beans and other vegetables) to large-scale agricultural for export to the United States (for example, bananas, pineapples, ornamentals, and others). Students will learn how to identify plant diseases that affect those crops. Students from the University of Costa Rica (UCR) will also participate. Students from both universities will develop short research projects during the course.

**Contact department for information to register for this course.**

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**PLSC799                      Master's Thesis Research**

Credits: 1-6                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**PLSC898                      Pre-Candidacy Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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**PLSC899                      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**PORT**

**Portuguese**

**Summer 2017**

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**PORT104                      Intensive Elementary Portuguese**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.*

*Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.*

**Contact department for information to register for this course.**

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**PORT204 Intensive Intermediate Portuguese**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PORT104; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.*

**Contact department for information to register for this course.**

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**PORT205 Intermediate Reading and Conversation in Portuguese I**

Credits: 3                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: PORT204; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Development of spoken Portuguese at intermediate level based on written assignments and exams on readings in a variety of genres.*

**Contact department for information to register for this course.**

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**PORT230 Brazilian Portuguese through Film**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PORT205; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Intermediate practice of oral and written Portuguese through discussion of Brazilian movies, along with grammar review and vocabulary exercises. Taught in Portuguese.*

**Contact department for information to register for this course.**

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**PORT269C Special Topics in Study Abroad II; Intermediate Portuguese II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PORT369C Special Topics in Study Abroad III; Portuguese Composition**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

## Independent Study of Portuguese

Grading Method: Regular,  
Audit

0101	Regina Igel	Seats (Total: 1)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
0201	Regina Igel	Seats (Total: 1)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

## Summer 2017

## Introduction to Psychology

General Education: DSHS,  
DSNS

0201	Marina Chernikova <b>Meets July 10, 2017 - August 18, 2017</b> MWF 1:00pm - 3:30pm	Seats (Total: 25)  BPS 1232
WB11	Ryan Curtis <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 75)  ONLINE

## Statistical Methods in Psychology

General Education: FSAR

*Prerequisite: PSYC100. And 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH140); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*A basic introduction to quantitative methods used in psychological research.*

WB21	Tracy Tomlinson	Seats (Total: 75)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**PSYC221      Social Psychology**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DSSP

*Prerequisite: PSYC100.*

*The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.*

*[Click here for sample course syllabus.](#)*

WB11	Dylan Selterman	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE
YS41	Dylan Selterman	Seats (Total: 29)
	<b>Meets July 10, 2017 - July 28, 2017</b>	
	MTuWThF 9:30am - 12:10pm	BPS 1236
<i>This section is part of Terp Young Scholars. Enrollment by permission only.</i>		

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**PSYC289E      Psychology of Evil**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: SB      General Education: DSHS, DSSP, SCIS

Why is there evil in the world? Are some born evil, or do social, environmental and cultural forces create evil? What makes otherwise good people do evil things? The scientific study of evil epitomizes the fundamental challenge that psychology faces in dissecting the role of biology (nature) and the social context (nurture).

*[Click here for more course information.](#)   [Click here for sample course syllabus.](#)*

0101	Scott Roberts	Seats (Total: 48)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MWF 10:00am - 12:30pm	ESJ 1215

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**PSYC300 Research Methods in Psychology Laboratory**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit                      General Education: DSSP

*Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.*

*A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field.*

WB11	Charles Stangor	Seats (Total: 50)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**PSYC332 Psychology of Human Sexuality**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100.*

*A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.*

**Contact department for information to register for this course.**

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**PSYC334 Psychology of Interpersonal Relationships**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC100.*

*Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).*

WB21	Ryan Curtis	Seats (Total: 45)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**PSYC336 Psychology of Women**

Credits: 3                      Grading Method: Regular,                      , D                      General Education: DSHS  
Pass-Fail, Audit

*Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336.*

*A survey of the biology, life span development, socialization, personality, mental health, and special issues of women.*

0101	Aylin Kaya	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MWF 1:00pm - 3:30pm		BPS 1236

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**PSYC338G      Special Topics in Study Abroad III; The Social Brain: Neuropsychology of Social Behaviors**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PSYC338P      Special Topics in Study Abroad III; Positive Psychology**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**PSYC389      Experiential Learning**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail, Audit

*Internship in psychology-related fields.*

WB11	Steven Young	Seats (Total: 20)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**PSYC432      Counseling Psychology: Theories, Research, and Practice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC200.*



*Analysis of research and intervention strategies developed and used by counseling psychologists.  
Historical and current trends in content and methodology.*

0101	Monica Kearney	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MWF 1:00pm - 3:30pm	BPS 1232

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**PSYC433      Basic Helping Skills: Research and Practice**

Credits: 4                      Grading Method: Regular

*Prerequisite: PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits; and must not have completed or be concurrently enrolled in EDCP 310. Credit only granted for: PSYC433 or EDCP310.*

*Theories and research regarding effective helping relationships, with a focus on applications to counseling and psychotherapy. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Attendance in labs is mandatory and contributes to the course grade; thus, students should only enroll in a lab section that they will be able to attend consistently.*

0201	Beth Richie	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MWF 1:00pm - 4:00pm	BPS 1236

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**PSYC436      Introduction to Clinical Psychology: From Science to Practice**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: PSYC300.*

*Critical analysis of clinical psychology, with particular emphasis on current developments and trends.*

**Contact department for information to register for this course.**

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**PSYC438F      Special Topics in Study Abroad IV; Psychotherapy Then and Now**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program.*

**Contact department for information to register for this course.**

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**PSYC479      Special Research Problems in Psychology**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Pass-Fail, Audit

**Contact department for information to register for this course.**

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**PSYC489W**

**Advanced Special Topics in Psychology; Addiction: Variations in Vulnerabilities and Treatments**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Treatment of a specialized topic in psychology.*

Addiction strikes diverse groups at all socioeconomic levels. This course will explore the complex interactions of environmental circumstances, preexisting disorders, socioeconomic factors, and social groups on the occurrence and treatment of addiction. We will focus on the development of addictive behaviors and strategies for treatment that take into account the diverse backgrounds of the addicts.

0101	Cristina Risco	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MWF 10:00am - 12:30pm	BPS 1232

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**PSYC629**

**Clinical Laboratory**

(Perm req)

Credits: 1-3

Grading Method: Sat-Fail

*Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.*

0101	Mary Byrne	Seats (Total: 20)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**PSYC632**

**Behavioral and Cognitive Behavioral Intervention for Children and Adolescents**

Credits: 3

Grading Method: Regular,  
Audit

*Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Formerly: PSYC789A.*

*Introduces students to the process of therapy with particular focus on behavioral and cognitive behavioral interventions in children and adolescents. Syllabus focuses on theory, research, client diversity, ethics and practical aspects of conducting therapy.*

PCC1	Julia Felton	Seats (Total: 40)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Tu 6:00pm - 9:15pm	BPS 1140B
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in MPS in Clinical Psychological Science program</i>	

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**PSYC638 Externship in Professional Psychology**

(Perm req)

Credits: 1-3      Grading Method: Sat-Fail

*Approved appointment as an extern in a mental health setting.*

0101	Andrea Chronis-Tuscano	Seats (Total: 10)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
0102	Karen O'Brien	Seats (Total: 15)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
I101	Karen O'Brien	Seats (Total: 10)
	<b>Meets May 30, 2017 - August 16, 2017</b>	
	Contact instructor or department for details.	
I201	Jonathan Mohr	Seats (Total: 5)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

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**PSYC639 Internship in Professional Psychology**

Credits: 1      Grading Method: Sat-Fail

*This seminar combines involvement with a program approved appointment a an intern in a mental setting with a supervisory review of the training experience.*

**Contact department for information to register for this course.**

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**PSYC650 Culture and Diversity in Mental Health**

Credits: 3      Grading Method: Regular

*Restriction: Must be enrolled in the Clinical Psychological Science MPS program.*

*Review literature regarding the role of culture and diversity in mental health and how culture and diversity are integrated into research and are related to mental health and mental health service utilization. Examine principles and concepts of multicultural and cross-cultural psychology to acquire an increased understanding of diverse underrepresented groups and topics to consider when involved with research and/or clinical work with individuals having diverse backgrounds (e.g., cultures, ethnicities, genders, sexual orientations, and socioeconomic status).*

PCC1	Andrea Chisolm	Seats (Total: 40)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Th 6:00pm - 9:15pm		BPS 1140B
<i>Restricted to students in the MPS in Clinical Psychological Science Program.</i>		

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**PSYC656      Business Fundamentals and Legal Issues facing Organizations**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.*

*This course provides an overview of the fundamentals of business, including both issues of finance and legal issues faced by organizations. Topics will include finance, accounting, and marketing. Students will learn core business concepts, about how each major business function enables organizations to run, and how to talk to and understand the leaders of organization. Additionally, this course will provide an overview of common legal challenges organizations face. In addition to introducing students to employment law, this course will review professional ethics standards for IO psychology. This course will use case study methodology to hone students' understanding of the ethical and legal issues faced in day-to-day organizational life.*

PYP1	Paul Hanges	Seats (Total: 40)
<b>Meets May 29, 2017 - August 18, 2017</b>		
W 5:00pm - 8:30pm		BPS 1140B
Class time/details on ELMs		ONLINE      Discussion
<i>Restricted to students in the MPS in Industrial/Organizational Psychology program.</i>		
<i>Students meet in person on even numbered weeks: 6/7, 6/21, 7/5, 7/19, 8/2, 8/16</i>		

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**PSYC657      Managing Strategic Organizational Change**

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.*

*In this course, students will learn to think about organizations as systems and will explore catalysts of organizational change. Issues of strategy, market pressure, competition, workforce planning, and stakeholder buy-in will be discussed. Finally, students will learn about methods for planning, leveraging, and managing organizational change. Case study methodology will be used to deepen learning on the challenges faced during organizational change and how to guide organizations through change, planned or not.*

PYP1	Juliet Aiken	Seats (Total: 40)
	<b>Meets May 29, 2017 - August 18, 2017</b>	
	W 5:00pm - 8:30pm	BPS 1140B
	Class time/details on ELMs	ONLINE Discussion
	<i>Restricted to students in the MPS in Industrial/Organizational Psychology program.</i>	
	<i>tudents meet in person on odd numbered weeks: 5/31, 6/14, 6/28, 7/12, 7/26, 8/9</i>	

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## PSYC665 Understanding Torture and Trauma II

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: PSYC663. Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor.*

*This is the second course in a series of two classes focused on theory research, and psychological interventions related to the treatment of survivors of torture and trauma. Current approaches to treatment of torture survivors, as well as psychological, social/familial, spiritual, physical, community, and political implications of torture will be introduced.*

PLV1	Sheetal Patel	Seats (Total: 25)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
	<i>Restricted to students in the VTT Program.</i>	
WB11	Sheetal Patel	Seats (Total: 20)
	<b>Meets May 30, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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## PSYC799 Master's Thesis Research

Credits: 1-6      Grading Method: Regular  
**Contact department for information to register for this course.**

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## PSYC898 Pre-Candidacy Research

Credits: 1-8      Grading Method: Regular, Sat-Fail  
**Contact department for information to register for this course.**

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**PSYC899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular  
**Contact department for information to register for this course.**

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**PUAF      Public Policy      Summer 2017**

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**PUAF349      Internship in Political Institutions: State and Local**

Credits: 3-6      Grading Method: Regular, Sat-Fail

*Offers students supervised internship placements in state and local political or public policy organizations.*

0101	Eric Luedtke	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Eric Luedtke	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**PUAF359E      Contemporary Issues in Political Leadership and Participation; Ethiopia: Policy and Politics of Economic Development in Africa**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics in political leadership and participation.*

**Contact department for information to register for this course.**

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**PUAF386      Experiential Learning**

(Perm req)

Credits: 3-6      Grading Method: Regular

*Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs.*

I101	Nina Harris	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		



**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

**Contact department for information to register for this course.**

0101	Elizabeth Duke	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 6, 2017</b>	
	TuTh 5:30pm - 9:00pm	VMH 1203

**PUAF688I**      **Topics in Public Policy; Macroeconomics for Public Policy**



*This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.*

<b>PUAF698</b>	<b>Selected Topics in Public Affairs</b>  Credits: 1-3                  Grading Method: Regular, Audit  <i>Special topics that arise in public policy.</i>  <b>Contact department for information to register for this course.</b>
<b>PUAF698A</b>	<b>Selected Topics in Public Affairs; Smart Growth</b>  Credits: 3                      Grading Method: Regular, Audit  <i>Special topics that arise in public policy.</i>  <b>Contact department for information to register for this course.</b>
<b>PUAF698C</b>	<b>Selected Topics in Public Affairs; Intelligence and Policy</b>  Credits: 3                      Grading Method: Regular, Audit  <i>Special topics that arise in public policy.</i>  <b>Contact department for information to register for this course.</b>
<b>PUAF698E</b>	<b>Selected Topics in Public Affairs; Comparative Policy Analysis and Practical Program Evaluation</b>  Credits: 3                      Grading Method: Regular, Audit  <i>Special topics that arise in public policy.</i>  <b>Contact department for information to register for this course.</b>
<b>PUAF698F</b>	<b>Selected Topics in Public Affairs; Jobs, Justice and the Environment</b>  Credits: 3                      Grading Method: Regular, Audit  <i>Special topics that arise in public policy.</i>  <b>Contact department for information to register for this course.</b>
<b>PUAF698N</b>	<b>Selected Topics in Public Affairs; Intelligence Policy and Organizations</b>  Credits: 3                      Grading Method: Regular, Audit  <i>Special topics that arise in public policy.</i>

Examines the role of intelligence as an instrument of state-with heavy emphasis on the American context. Reviews the development of intelligence defined to cover the collection on information, covert action and counter intelligence. Foreign intelligence contexts will be introduced primarily to highlight the unique aspects of the American intelligence environment. Describes the reason civil and military leaders create and use intelligence services, principles of organization and practice commonly used in intelligence, and the relationship between intelligence and policy. Also offered as PUA388N.

**Contact department for information to register for this course.**

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**PUAF698P      Selected Topics in Public Affairs; Information Technology and Policy**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

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**PUAF698T      Selected Topics in Public Affairs; Managing Across Sectors**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

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**PUAF698X      Selected Topics in Public Affairs; Performance Management and Leading for Results**

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

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**PUAF699G      Selected Topics Public Policy; Leadership in Groups and Organizations**

Credits: 3                      Grading Method: Regular,  
   Audit

*Special topics that arise in public policy.*

0201	Kenneth Apfel	Seats (Total: 20)
<b>Meets July 17, 2017 - August 18, 2017</b>		
TuTh 5:30pm - 9:15pm		VMH 1107
<i>Restricted to PUA major or permission of instructor</i>		

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**PUAF699O      Selected Topics Public Policy; 21st Century Policy Challenges**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PUAF699R      Selected Topics Public Policy; Critical Thinking and Analytical Methodology**

Credits: 1-3      Grading Method: Regular,  
Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PUAF699T      Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PUAF699V Selected Topics Public Policy; Homeland Security Policy**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PUAF699W      Selected Topics Public Policy; Motivations and Intents of Terrorism**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics that arise in public policy.*

**Contact department for information to register for this course.**

**PUAF699X      Selected Topics Public Policy; Organizational Behavior**

Credits: 3      Grading Method: Regular,  
Audit

*Special topics that arise in public policy.*

Meets in Chantilly, VA.

**Contact department for information to register for this course.**

**PUAF711**

Credits: 3

*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.*

*Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.*

**Contact department for information to register for this course.**

**PUAF712**

Credits: 3

*Restriction: Must be in a major in PUA-F-School of Public Policy; or permission of PUA-F-School of Public Policy.*

*The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.*

**Contact department for information to register for this course.**

## PUAF724

Credits: 3

*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698W.*

*Explores the international security implications of globalization, presenting evidence indicating that altered circumstances will eventually induce a major redesign of prevailing security arrangements. Includes three segments: 1) a review of the principal problems that have been the focus of established security policy and would be the context for any major adjustment of policy; 2) an assessment of relationships with the major countries where traditional problems are most acutely present; and 3) a review of the organizing principles that can be expected to emerge in the new situation.*

**Contact department for information to register for this course.**

**PUAF740**

Credits: 3

Credits: 3      Grading Method: Regular,  
Audit

*Restriction: Must be in a major in PUAf-School of Public Policy; or permission of PUAf-School of Public Policy.*

*Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.*

**Contact department for information to register for this course.**

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**PUAF752      Managing Differences:Resolving Conflict and Negotiating Agreements**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PUAf-School of Public Policy; or permission of PUAf-School of Public Policy.*

*Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.*

0101	Charles Field	Seats (Total: 20)
<b>Meets May 30, 2017 - June 24, 2017</b>		
TuTh 5:30pm - 9:00pm		VMH 1107
Contact instructor or department for details.		
<i>Course will meet on two Saturdays, June 10 and June 24 from 9am to 5:30 pm.</i>		

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**PUAF753      Advanced Negotiations**

Credits: 3                      Grading Method: Regular,  
   Audit

*Prerequisite: PUAf752. Credit only granted for: PUAf698C or PUAf753. Formerly: PUAf698C.*

*Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.*

**Contact department for information to register for this course.**

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**PUAF770      Seminar in Housing and Community Development Strategies**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PUAf-School of Public Policy.*

*Detailed examination of community and social policy issues relating to the construction and management of affordable housing.*

**Contact department for information to register for this course.**

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**PUAF772      Housing Finance**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development.*

*Fundamentals of housing investment analysis. Structuring feasibility analyses, appraisals, pro forma statements, return on investment, leverage analysis, underwriting ratios, taxation and syndication.*

**Contact department for information to register for this course.**

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**PUAF774      Asset Management**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development.*

*Asset manager's role at each stage of the property's life cycle and property analysis, including cash flow debt and staffing. Topics include capital needs; major building systems, costs and useful lives; marketing and outreach; and anti-crime strategies. Field trips to problem properties to perform cost/benefit analysis, diagnose potential cures, and prepare action plans.*

**Contact department for information to register for this course.**

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**PUAF790      Project Course**

Credits: 3                      Grading Method: Regular,  
   Audit

*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.*

*Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.*

**Contact department for information to register for this course.**

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**PUAF798      Readings in Public Policy**

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Guided readings for discussions on public policy.*

**Contact department for information to register for this course.**

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**PUAF798A Readings in Public Policy; Readings in Public Policy**

Credits: 1-3      Grading Method: Regular,  
Audit

*Guided readings for discussions on public policy.*

Restricted to PUAF majors or permission of instructor.

**Contact department for information to register for this course.**

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**PUAF798B Readings in Public Policy; Readings in Public Policy**

Credits: 1-3      Grading Method: Regular,  
Audit

*Guided readings for discussions on public policy.*

Restricted to PUAF majors or permission of instructor.

**Contact department for information to register for this course.**

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**PUAF898 Pre-Candidacy Research**

(Perm req) Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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**PUAF899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

**Contact department for information to register for this course.**

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## **RDEV Real Estate Development Summer 2017**

**RDEV689B Current Topics in Real Estate Development; Principles & Practice of Affordable Housing**

Credits: 3      Grading Method: Regular,  
Audit

*Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.*

0201	Tanya Bansal, jEFFREY LESK	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	MTh 6:30pm - 10:15pm	ARC 1101



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**RDEV689N      Current Topics in Real Estate Development; Construction Methods and Materials: Introduction**

(Perm req)

Credits: 3                      Grading Method: Regular,  
   Audit

*Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.*

Prerequisite: permission of department.

0101	Robert McClennan	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
	MW 6:30pm - 10:15pm	ARC 1103

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**RDEV689Y      Current Topics in Real Estate Development; Guided Real Estate Development Project**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
   Audit

*Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.*

Permission of the department required to register.

0201	Margaret McFarland	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**RELS                      Religious Studies                      Summer 2017**

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**RELS269G      Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**

Credits: 3                      Grading Method: Regular,  
   Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**RELS346      History of Religion in America**

Credits: 3                      Grading Method: Regular,  
   Pass-Fail, Audit

*Prerequisite: HIST255, HIST211, HIST156, HIST254, HIST213, HIST157, or HIST210; or permission of instructor. Also offered as: HIST306. Credit only granted for: HIST306 or RELS346.*

*A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.*

WB31	Miles Bradbury	Seats (Total: 40)
<b>Meets May 30, 2017 - June 16, 2017</b>		
Class time/details on ELMs		ONLINE

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**RELS369R Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**RUSS      Russian      Summer 2017**

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**RUSS101 Intensive Elementary Russian I**

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS101 or (RUSS111 and RUSS112).*

*This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.*

0101	Zhanna Gerus-Vernola	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MTuWTh 10:00am - 1:30pm		KEY 0125

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**RUSS102 Intensive Elementary Russian II**

Credits: 6      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: RUSS101 or RUSS102; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS102 or (RUSS113 and RUSS114).*

*A continuation of RUSS101 which will further develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.*

0201	Zhanna Gerus-Vernola	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuWTh 10:00am - 1:30pm		KEY 0125

## RUSS386

### Experiential Learning

Credits: 3-6

Grading Method: Regular,  
Pass-Fail

*Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department.*

0101	Cynthia Martin	Seats (Total: 5)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Cynthia Martin	Seats (Total: 5)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

## RUSS398G

### Selected Topics in Russian Language and Literature; Russian Grammar

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

Prerequisite: RUSS 102 or higher. Course covers the basic grammatical categories of conjugations and declensions, including analysis of aspect, case usage. Students level will be assessed at the beginning of the course so that assignments may be individualized as appropriate.

WB11	Cynthia Martin	Seats (Total: 15)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

## RUSS409A

### Selected Topics in Russian Language Study; Advanced Russian Grammar for Reading

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Presentation of a topic in Russian language study.*

Prerequisite: RUSS 102 or higher. Course is intended to help students improve their reading skills by focusing on syntax and fundamental structures (such as participles) encountered in common written texts. The main focus will be on reading the contemporary Russian media sources, but students will be encouraged to read other genres related to their individual interests. Students level will be assessed at the beginning of the course so that assignments may be individualized as appropriate.

WB21	Cynthia Martin	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

**RUSS499 Independent Study in Russian**

(Perm req) Credits: 1-3 Grading Method: Regular

*Independent study under faculty supervision.*

**Contact department for information to register for this course.**

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**SLAA Second Language Acquisition and Application Summer 2017**

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**SLAA798 Master's Independent Study**

(Perm req) Credits: 1-3 Grading Method: Regular,  
Audit

0101	Nan Jiang	Seats (Total: 1)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**SLLC School of Languages, Literatures and Cultures Summer 2017**

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**SLLC169B Special Topics in Study Abroad I; Elementary Basque I**

Credits: 4 Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**SLLC169C Special Topics in Study Abroad I; Elementary Basque II**

Credits: 4 Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC169D Special Topics in Study Abroad I; Great Czech Writers**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC169L                      Special Topics in Study Abroad I; Basque Language and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC269C                      Special Topics in Study Abroad II; Basque Language and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC299A                      Special Topics in World Cultures; Exploring Confucius' China**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topic to be announced when course is offered.*

**Contact department for information to register for this course.**

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**SLLC299R                      Special Topics in World Cultures; Elementary Italian I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Topic to be announced when course is offered.*

**Contact department for information to register for this course.**

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**SLLC299Z                      Special Topics in World Cultures; Spanish Civilization and Culture**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Topic to be announced when course is offered.*

**Contact department for information to register for this course.**

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**SLLC368B                      Special Topics in Film Studies I; Global Perspectives on Cinema Censorship**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.*

Also offered as FILM329B. Credit granted for FILM329B or SLLC368B.

WB11	Jason Kuo	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**SLLC368G      Special Topics in Film Studies I; The Road Movie**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.*

Also offered as FILM 359G. Credit granted for FILM 359G or SLLC 368G. The road movie, defined by W. Everett as "a fluid and open-ended genre which uses the narrative trajectory of road as an extended metaphor of of quest and discovery through which to approach fundamental concepts of reality, should enlighten us about important modern and contemporary issues such as self-discovery, displacement, exile, border-crossing, and the interfaces between the national and supra-national identities. We will screen films from Argentina, Australia, Bhutan, Brazil, Canada, China, Czech Republic, France, Germany, India, Iran, Italy, Japan, Korea Mexico, Poland, Russia, UK, US, and other countries, as well as several transnational co-productions We will study some of the most well-known road movies in conjunction with critical readings.

WB21	Jason Kuo	Seats (Total: 30)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**SLLC369A      Special Topics in Study Abroad III; Alternative Culture, Literature, Music and Lifestyles**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SLLC369C      Special Topics in Study Abroad III; Czech Film**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

## **SOCY**

## **Sociology**

## **Summer 2017**

### **SOCY100**

#### **Introduction to Sociology**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSHS

*The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.*

WB21	Angela O'Brien	Seats (Total: 35)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE
WB31	Alex Parkhouse	Seats (Total: 35)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE

### **SOCY105**

#### **Introduction to Contemporary Social Problems**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

CORE: SB

General Education: DSHS

*An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.*

WB31	Jonathan Cox	Seats (Total: 35)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	Class time/details on ELMs	ONLINE
WB61	Anya Galli Robertson	Seats (Total: 35)
	<b>Meets July 31, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

### **SOCY201**

#### **Introductory Statistics for Sociology**

Credits: 4

Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSAR

*Prerequisite: SOCY100; and (MATH107 or MATH111). Or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, JOUR405, PSYC200 or SOCY201. (These courses do not necessarily meet the same major requirements-check with your advisor to see which of these courses will count for your major).*

*Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.*

HY11	Alan Neustadtl	Seats (Total: 20)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MTuW 9:30am - 10:50am	ASY 3207	
	MW 12:00pm - 1:50pm	LEF 0229	Lab
	Class time/details on ELMs	ONLINE	Discussion

## SOCY203

### Sociological Theory

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SOCY100.*

*Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors.*

[Click here for more course information.](#)

HY11	Brian Connor	Seats (Total: 30)	
	<b>Meets May 30, 2017 - July 7, 2017</b>		
	MW 9:00am - 11:00am	ASY 3203	
	Class time/details on ELMs	ONLINE	

## SOCY386

### Experiential Learning

(Perm req)

Credits: 3-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Permission of BSOS-Sociology department; and junior standing or higher.*

**Contact department for information to register for this course.**

## SOCY399

### Independent Study in Sociology



(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

*Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.*

**Contact department for information to register for this course.**

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**SOCY441**

**Social Stratification and Inequality**

Credits: 3

Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher.*

*The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.*

HY11	Mary DeStefano	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 11:00am - 1:00pm	ASY 3207
	Class time/details on ELMs	ONLINE

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**SOCY699**

**Special Social Problems**

Credits: 3

Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**SOCY799**

**Master's Thesis Research**

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

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**SOCY898**

**Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-  
Fail

**Contact department for information to register for this course.**

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**SOCY899**

**Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular

**Contact department for information to register for this course.**

**SPAN103 Intensive Elementary Spanish**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.*

*Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.*

0101	Sofia Maurette	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 9:30am - 11:45am	TYD 0101
0102	Nelida Devesa-Gomez	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuWTh 6:00pm - 9:00pm	TWS 1106
0201	Cecilia Battauz	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuWTh 6:00pm - 9:00pm	SKN 1115

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**SPAN169W Special Topics in Study Abroad I; Introduction to Spanish Language I**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN169X Special Topics in Study Abroad I; Elementary Spanish I**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN169Y Special Topics in Study Abroad I; Elementary Spanish II**

Credits: 4                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

Contact department for information to register for this course.

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**SPAN169Z      Special Topics in Study Abroad I; Introduction to Spanish Language II**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN203      Intensive Intermediate Spanish**

Credits: 4                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Restriction: Must not be a native/fluent speaker of Spanish.*

*Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.*

0101	Jose Magro	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWTh 9:30am - 11:45am	TWS 1106
0102	Matthew Lewis	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuWTh 6:00pm - 9:00pm	LEF 1201
0201	Nidia Reyes	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWTh 9:30am - 11:45am	TWS 1321
0202	Evelyn Canabal-Torres	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	TuWTh 6:00pm - 9:00pm	TLF 1103

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**SPAN204      Spanish Grammar Review**

Credits: 3                      Grading Method: Regular,                      CORE: HO  
Pass-Fail, Audit

*Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Restriction: Not open to fluent/native speakers of Spanish.*

*An in-depth study and analysis of selected grammatical topics in a contextualized framework.*

**Contact department for information to register for this course.**

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**SPAN207      Reading and Writing in Spanish**

Credits: 3      Grading Method: Regular,      General Education: DSHU  
Pass-Fail, Audit

*Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.*

*Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.*

0101	Daniela Bulansky	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MW 6:00pm - 9:30pm		KEY 0116

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**SPAN224      Violence and Resistance in the Americas**

Credits: 3      Grading Method: Regular,      CORE: HL, D      General Education: DSHU,  
Pass-Fail, Audit      DVUP

*Indigenous vision of violence and resistance in the Americas. Texts and maps from the European explorers and conquerors are also studied. Readings include primary texts from the 16th as well as from the 20th century. Taught in English.*

0201	Kayla Watson	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
TuTh 6:00pm - 9:20pm		HBK 0108

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**SPAN269I      Special Topics in Study Abroad II; Intensive Intermediate Spanish**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**SPAN269P      Special Topics in Study Abroad II; Spanish Oral Techniques**

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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## Advanced Grammar and Composition I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: Must have completed or be concurrently enrolled in SPAN207.*

*Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.*

WB11	Jose Contreras <b>Meets May 30, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 20)  ONLINE
WB21	Carla Onate <b>Meets July 10, 2017 - August 18, 2017</b> Class time/details on ELMs	Seats (Total: 20)  ONLINE

**SPAN302**

## Advanced Grammar and Composition II

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: SPAN301.*

*Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.*

**Contact department for information to register for this course.**

**SPAN303**

## Approaches to Cultural Materials in the Hispanic World

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSHU

*Prerequisite: SPAN207; or permission of instructor.*

*Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.*

0201	Sarah Dowman	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
	TuTh 6:00pm - 9:20pm	KEY 0117

## SPAN311

## Advanced Conversation I

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Prerequisite: SPAN204 or SPAN211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a native/fluent speaker of Spanish.*

*Further development of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation and increase vocabulary. Individual and/or group oral presentations.*

**Contact department for information to register for this course.**

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**SPAN312      Advanced Conversation II**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN311. Restriction: Must not be a native/fluent speaker of Spanish.*

*Continued mastery of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation, and increase vocabulary. Emphasis on colloquial and technical language as well as development of linguistic accuracy. Individual and/or group oral presentation.*

**Contact department for information to register for this course.**

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**SPAN315      Commercial Spanish I**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments.*

WB11	Fabian Faccio	Seats (Total: 10)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**SPAN333      Spanish Culture, Civilization and Literature III: Modern Times**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      General Education: DSHU

*Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333.*

*An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.*

**Contact department for information to register for this course.**

<b>SPAN362</b>	<b>Latin American Literatures and Cultures II: From Independence to Nation Formation</b>
Credits: 3	Grading Method: Regular, Pass-Fail, Audit
	General Education: DSHU, DVUP
	<i>Prerequisite: SPAN301 and SPAN303; or permission of instructor.</i>
	<i>An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.</i>
	<b>Contact department for information to register for this course.</b>
<b>SPAN369C</b>	<b>Special Topics in Study Abroad III; Spanish Culture and History</b>
Credits: 3	Grading Method: Regular, Pass-Fail, Audit
	<i>Special topics course taken as part of an approved study abroad program</i>
	<b>Contact department for information to register for this course.</b>
<b>SPAN369O</b>	<b>Special Topics in Study Abroad III; Spanish Conversation and Oral Skills</b>
Credits: 1-6	Grading Method: Regular, Pass-Fail, Audit
	<i>Special topics course taken as part of an approved study abroad program</i>
	<b>Contact department for information to register for this course.</b>
<b>SPAN369P</b>	<b>Special Topics in Study Abroad III; Spanish Oral Techniques</b>
Credits: 2	Grading Method: Regular, Pass-Fail, Audit
	<i>Special topics course taken as part of an approved study abroad program</i>
	<b>Contact department for information to register for this course.</b>
<b>SPAN399</b>	<b>Independent Study in Spanish</b>
Credits: 1-3	Grading Method: Regular, Pass-Fail, Audit
	<i>Specific readings in literature or a translation project under the supervision of a faculty member of the department.</i>
	<b>Contact department for information to register for this course.</b>
<b>SPAN401</b>	<b>Advanced Composition I</b>

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN302; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.*

**Contact department for information to register for this course.**

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**SPAN402                      Advanced Composition II**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.*

*Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.*

**Contact department for information to register for this course.**

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**SPAN408J                      Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN408X                      Great Themes of the Hispanic Literatures; Spain: Salamanca and Barcelona**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN408Y                      Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**



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**SPAN409B      Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN409L      Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.*

**Contact department for information to register for this course.**

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**SPAN448F      Special Topics in Latin American Civilization; Caribbean Beach**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Intensive independent study of a selected topic related to Latin American civilization.*

0301	Juan Carlos Quintero-Herencia	Seats (Total: 20)
<b>Meets May 30, 2017 - June 15, 2017</b>		
	MTuWTh 6:00pm - 9:30pm	KEY 0123

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**SPAN464      Contemporary Spanish Poetry**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.*

*Spanish poetry from the generation of 1927 to the present.*

**Contact department for information to register for this course.**

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**SPAN474      Central American Literatures, Cultures, and Histories**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.*

*An overview of Central American history and cultural production, focusing primarily but not exclusively on literary texts.*

**Contact department for information to register for this course.**

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**SPAN699 Independent Study in Spanish**

Credits: 1-3      Grading Method: Regular,  
Audit

*This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department.*

**Contact department for information to register for this course.**

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**SPAN799 Master's Thesis Research**

Credits: 1-6      Grading Method: Regular

**Contact department for information to register for this course.**

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**STAT Statistics and Probability Summer 2017**

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**STAT100 Elementary Statistics and Probability**

Credits: 3      Grading Method: Regular,  
Pass-Fail, Audit      CORE: MS      General Education: FSAR,  
FSMA

*Prerequisite: MATH110, MATH112, MATH113, or MATH115; or permission of CMNS-Mathematics department; or must have math eligibility of STAT100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100, MATH107 or MATH111.*

*Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.*

0101	Pratima Hebbar <b>Meets May 30, 2017 - July 7, 2017</b> MTuWThF 8:00am - 9:20am	Seats (Total: 27)  MTH 0105
0201	Kung-Ching Lin <b>Meets July 10, 2017 - August 18, 2017</b> MTuWThF 9:30am - 10:50am	Seats (Total: 25)  MTH B0425

HY11	Susan Mazzullo	Seats (Total: 35)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details. ONLINE	
	Class time/details on ELMs	
	<i>Class will meet in person on Monday, May 29th from 9:30am-10:30am in CHM 0122.</i>	

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## STAT400 Applied Probability and Statistics I

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.*

*Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.*

0101	Sahil Chopra	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0307
0103	Timothy Pilachowski	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH 0102
0201	Bradford Sanders	Seats (Total: 28)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH B0421

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## STAT401 Applied Probability and Statistics II

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410). Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.*

*Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.*

0101	Paul Smith	Seats (Total: 22)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 9:30am - 10:50am	MTH 0303

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## STAT430 Introduction to Statistical Computing with SAS

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (STAT400, STAT410).*

*Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.*

0101	Benjamin Kedem	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH 1311
0201	Corry Bedwell	Seats (Total: 25)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MTuWThF 9:30am - 10:50am	EGR 3114

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## STAT470 Actuarial Mathematics

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH461, MATH341); and 1 course with a minimum grade of C- from (MATH340, MATH241). Recommended: STAT400.*

*Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.*

0101	Susan Mazzullo	Seats (Total: 25)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 11:00am - 12:20pm	MTH B0423

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## STAT498A Selected Topics in Statistics

(Perm req)

Credits: 1-6

Grading Method: Regular,  
Pass-Fail, Audit

*Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the MATH/STAT major committee. Students register for reading in statistics under this number.*

**Contact department for information to register for this course.**

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**STAT689**

**Research Interactions in Statistics**

(Perm req)

Credits: 1-3

Grading Method: Regular,  
Audit

*The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.*

0101	Instructor: TBA	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0137	Yuan Liao	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		

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**STAT698A**

**Selected Topics in Probability**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**STAT798A**

**Selected Topics in Statistics**

(Perm req)

Credits: 1-4

Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**STAT799**

**Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

**Contact department for information to register for this course.**

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**STAT898**

**Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-  
Fail

Contact department for information to register for this course.

STAT899

**Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular

Contact department for information to register for this course.

**SUMM**

**Summer**

**Summer 2017**

SUMM015

**Field Methods in Archaeology**

Credits: 0      Grading Method:

Also offered as ANTH496 and ANTH696.

*Click here for more course information.*

XI11	Mark Leone	Seats (Total: 24)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA
XI12	Paul Shackel, Donald Linebaugh	Seats (Total: 6)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuWThF 8:00am - 4:00pm	Location: TBA

SUMM071

**Aerospace Engineering Profession**

(Perm req)

Credits: 0      Grading Method:

Restricted to new transfer students admitted to the Clark School of Engineering. Prerequisite: permission of department.

0101	Aileen Hentz, Briana O'Neal	Seats (Total: 5)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	F 9:00am - 12:00pm	EGR 2116
	Contact instructor or department for details.	

SUMM072

**Conflict Resolution: The Israeli-Palestinian Experiment**

Credits: 0      Grading Method:

This non-credit workshop provides contending and shared perspectives of the cycles of war and peacebuilding with simulations. Topics include common ground on Jerusalem, Palestinian refugees, Jewish settlements, water, borders and security. Professor Kaufman has been Director of both the Truman Institute for the Advancement of Peace (Hebrew University of Jerusalem) and the Center for International Development and Conflict Management (UMD). He is concurrently teaching in Israel. Professor Hassassian has been Dean and Vice-President of Bethlehem University and is currently Palestinian Ambassador to the United Kingdom. For more information, contact [kaufmane@umd.edu](mailto:kaufmane@umd.edu).

To apply and register, [click here](#).

0501	M. Hassassian, Edward Kaufman <b>Meets June 19, 2017 - July 7, 2017</b> MTuWTh 6:00pm - 9:25pm	Seats (Total: 30)  TYD 2110
WB51	M. Hassassian, Edward Kaufman <b>Meets June 19, 2017 - July 7, 2017</b> Class time/details on ELMs	Seats (Total: 40)  ONLINE

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## **SURV      Survey Methodology      Summer 2017**

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### **SURV623      Data Collection Methods in Survey Research**

Credits: 3      Grading Method: Regular,  
Audit

*Prerequisite: SURV400; or students who have taken courses with comparable content may contact the department.*

*Review of alternative data collection methods used in surveys, such as current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).*

Prerequisite: SURV400; or students who have taken courses with comparable content may contact the department. This course reviews a range of survey data collection methods that are both interview-based (face-to-face and telephone) and self-administered questionnaires that are mailed and online, i.e. web surveys). Mixed mode designs are also covered as well as several hybrid modes for collecting sensitive information e.g., self-administering the sensitive questions in what is otherwise a face-to-face interview. The course also covers newer methods such as mobile web and SMS (text message) interviews, and examines alternative data sources such as social media. It concentrates on the impact these techniques have on the quality of survey data, including error from measurement, nonresponse, and coverage, and assesses the tradeoffs between these error sources when researchers choose a mode or survey design. This is not a how-to-do-it course on survey data collection, but rather focuses on the error properties of the key aspects of the data collection process. Students will view recorded lectures and complete reading assignments in preparation for class discussion sessions which will occur twice per week, one hour per session.

0101	Frederick Conrad	Seats (Total: 20)
	<b>Meets June 5, 2017 - July 28, 2017</b>	
	MW 3:00pm - 4:00pm	LEF 1208
	Contact instructor or department for details.	

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## **SURV625      Applied Sampling**

Credits: 3                      Grading Method: Regular,  
Audit

*Prerequisite: Must have completed a course in statistics approved by department.*

*Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.*

0101	James Wagner	Seats (Total: 20)
	<b>Meets June 5, 2017 - July 28, 2017</b>	
	TuTh 12:30pm - 3:00pm	LEF 1208

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## **SURV630      Questionnaire Design and Evaluation**

Credits: 3                      Grading Method: Regular,  
Audit

*Credit only granted for: SURV430 and SURV630.*

*The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.*

0101	Jessica Broome	Seats (Total: 20)
	<b>Meets June 5, 2017 - July 28, 2017</b>	
	TuTh 3:00pm - 5:30pm	LEF 1208

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## **SURV699      Special Topics in Survey Methodology**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.*



0101	Frauke Kreuter	Seats (Total: 10)
<b>Meets May 30, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

**SURV899      Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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## THET      Theatre Summer 2017

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**THET110      Introduction to the Theatre**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA      General Education: DSHU

*In the age of pop music and blockbuster films, of memes and viral videos, we often forget that theatre was one of the original forms of popular entertainment. We will focus on theatre practitioners including actors, directors, designers and backstage personnel to understand how theatre is produced. We will also consider popular entertainment in Europe and America, with a particular focus on musical theatre and Broadway to explore how theatre communicates, resonates, and remains relevant to all audiences.*

0201	Emily Warheit	Seats (Total: 13)
<b>Meets July 10, 2017 - August 18, 2017</b>		
MTuW 10:00am - 12:15pm		PAC 1815

**THET269B      Special Topics in Study Abroad II; The Meaning of Style**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

**THET269M      Special Topics in Study Abroad II; Meaning of Style**

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**THET285      The Art of Communication and Presentation**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

General Education: FSOC

*Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.*

*An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.*

0101	Sara Thompson	Seats (Total: 12)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MTuW 10:00am - 12:15pm	PAC 1809
0501	Patrick Crowley	Seats (Total: 12)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	MTuWTh 2:00pm - 5:30pm	PAC 3736

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**THET428B      Special Topics in Advanced Theatre and Performance; Improvisation Basics and Scenework**

Credits: 3                      Grading Method: Regular

*This course is offered as part of the School of Theatre, Dance, and Performance Studies' Artist in Residence program. Topics covered may include: Intercultural Theatre; Performance Art; Puppetry; Solo Performance; or Theatrical Design.*

Students will participate in improvisation and games that provide an opportunity to enhance creativity, increase flexibility, improve responsiveness and create group cohesion. Games and exercises include, 'Make Your Partner Look Good' practices relating to others without being negative; making mistakes with confidence; exercises in creativity and trusting your imagination.

0601	Mary Coy	Seats (Total: 12)
	<b>Meets July 31, 2017 - August 18, 2017</b>	
	MTuWTh 10:00am - 1:30pm	PAC 3736

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**THET428C      Special Topics in Advanced Theatre and Performance; Unarmed Stage Combat**

Credits: 3                      Grading Method: Regular

*This course is offered as part of the School of Theatre, Dance, and Performance Studies' Artist in Residence program. Topics covered may include: Intercultural Theatre; Performance Art; Puppetry; Solo Performance; or Theatrical Design.*

Open to All Students! This class will provide students with a solid foundation in Unarmed stage combat. Through an exploration of fight choreography and theory, applied directly to performance, students will acquire practical skills required for physically safe and theatrically effective hand to hand fight scenes. Students will have the opportunity to test for certification with the Society of American Fight Director's recognition in Unarmed ideal for an actor, stage manager, teacher or directors skill set.

0302	Casey Kaleba	Seats (Total: 12)
	<b>Meets May 30, 2017 - June 16, 2017</b>	
	MTuWTh 1:00pm - 4:30pm	PAC 3736

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**THET499 Independent Study**

(Perm req) Credits: 1-3 Grading Method: Regular

*An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.*

**Contact department for information to register for this course.**

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**THET789 Master's Practicum**

(Perm req) Credits: 1-6 Grading Method: Regular,  
Audit

*Participation in creative and artistic activities with professional level theatrical organizations.*

**Contact department for information to register for this course.**

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**THET799 Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Regular

**Contact department for information to register for this course.**

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**THET899 Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular,  
Audit

**Contact department for information to register for this course.**

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**TLTC Teaching and Learning  
Transformation Center**

**Summer 2017**

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**TLTC333 Fundamentals of Academic Peer Mentoring**

(Perm req) Credits: 1 Grading Method: Regular

*Restriction: Permission of TLTC required - enrollment restriction.*

*How should scientific research influence the way we study and advance the academic performance of others? Learn about the scholarship of teaching and learning and develop the applied skills to support active learning as an academic peer mentor. Whether or not you are ultimately pursuing a career as an educator, the more effectively you can coach and support the performance of other people, and the more successful you will be. Guided online and face-to-face participation will culminate in a portfolio of your teaching activities and professional development.*

XT11	Alexis Williams	Seats (Total: 10)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details. ONLINE		
Class time/details on ELMs		
XT21	Alexis Williams	Seats (Total: 10)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details. ONLINE		
Class time/details on ELMs		
<i><a href="#">Click here for more course information.</a></i>		

### **TLTC399 Independent Study in Academic Peer Mentoring**

(Perm req)

Credits: 1-3 Grading Method: Regular

*Earn academic credit for the time spent supporting a course in TLTC's Academic Peer Mentoring Program (AMP).*

**Contact department for information to register for this course.**

### **TLTC798 University Teaching and Learning**

(Perm req)

Credits: 1-2 Grading Method: Regular

*Special topic courses directed at experienced graduate teaching assistants who are interested in university teaching and learning issues. Can be used by students for participation in the University Teaching and Learning Program.*

Special topic courses directed at experienced graduate teaching assistants who are interested in university teaching and learning issues. Can be used by students for participation in the University Teaching and Learning Program.

0101	Marissa Stewart	Seats (Total: 20)
<b>Meets May 30, 2017 - July 7, 2017</b>		
TuTh 9:30am - 12:00pm		PLS 1111

**UMEI011 Integrated English: Elementary**

(Perm req)

Credits: 5      Grading Method: Sat-Fail

*Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.**English as a Second Language course for students at the elementary level.*

UM10	Eric Walker	Seats (Total: 16)
<b>Meets June 5, 2017 - July 21, 2017</b>		
	MTuWTh 9:00am - 12:30pm	EDU 3236

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**UMEI012 Integrated English: Intermediate**

(Perm req)

Credits: 5      Grading Method: Sat-Fail

*Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.**English as a Second Language course for students at the intermediate level.*

UM10	Melanie Baker	Seats (Total: 16)
<b>Meets June 5, 2017 - July 21, 2017</b>		
	MTuWTh 9:00am - 12:30pm	COL 3109

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**UMEI013 Integrated English: Advanced**

(Perm req)

Credits: 5      Grading Method: Sat-Fail

*Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.**English as a Second Language for students at the advanced level.*

UM10	Cornell Brellenthin	Seats (Total: 16)
<b>Meets June 5, 2017 - July 21, 2017</b>		
	MTuWTh 9:00am - 12:30pm	COL 3110

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**UMEI028A Special Topics in English as a Second Language; Preparation of Academic Study in an American University**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.*

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Jonathan Malone	Seats (Total: 25)
	<b>Meets June 5, 2017 - July 21, 2017</b>	
	TuTh 1:30pm - 3:30pm	ASY 3211

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**UMEI028I Special Topics in English as a Second Language; IELTS Exam Preparation**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.*

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Raymond Smith	Seats (Total: 25)
	<b>Meets June 5, 2017 - July 21, 2017</b>	
	MW 1:30pm - 3:30pm	EDU 3233

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**UMEI028T Special Topics in English as a Second Language; iBT TOEFL Strategies**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.*

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Louise Godley	Seats (Total: 25)
	<b>Meets June 5, 2017 - July 21, 2017</b>	
	W 1:30pm - 3:30pm	COL 3112
	F 11:00am - 1:00pm	COL 3112

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**UMEI028V Special Topics in English as a Second Language; Vocabulary**

(Perm req)

Credits: 1      Grading Method: Sat-Fail

*Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.*

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Louise Godley	Seats (Total: 25)
	<b>Meets June 5, 2017 - July 21, 2017</b>	
	Tu 1:30pm - 3:30pm	COL 3114
	Th 1:30pm - 3:30pm	COL 3114

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## UNIV      University Courses      Summer 2017

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### UNIV099

#### Internship Seminar

(Perm req)

Credits: 0

Grading Method: Sat-Fail

*Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.*

Permission of Internship Coordinator required. Obtain signature and more information at the Career Center, 3100 Hornbake Library. Special fee required for this course.

CP20	Erin Rooney-Eckel, Erica Ely, Theresa Hale	Seats (Total: 84)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
CP21	Erin Rooney-Eckel, Erica Ely, Theresa Hale	Seats (Total: 90)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	
CP22	Erin Rooney-Eckel	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Contact instructor or department for details.	

### UNIV100

#### The Student in the University

(Perm req)

Credits: 1

Grading Method: Regular,  
Pass-Fail, Audit

*Credit only granted for: EDCP1080 or UNIV100. Formerly: EDCP1080.*

*Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.*

0101	Georgette Hardy	Seats (Total: 10)
	<b>Meets June 19, 2017 - July 28, 2017</b>	
	MW 2:00pm - 3:45pm	Location: TBA

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**UNIV102      Confidence Building and Study Skills in Mathematics**

Credits: 2      Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in uTerp Individual Admits program.*

*A mathematics preparatory class designed to facilitate a student's transition toward fundamental studies mathematics, including study skills and strategies for success.*

LS21	Colleen Terpos, Nicholas Acha	Seats (Total: 20)
	<b>Meets June 19, 2017 - July 28, 2017</b>	
	MWF 9:00am - 11:00am	PLS 1115
LS22	Colleen Terpos, Colleen Hannan	Seats (Total: 20)
	<b>Meets June 19, 2017 - July 28, 2017</b>	
	MWF 9:00am - 11:00am	PLS 1184
LS23	Colleen Terpos, Michael Long	Seats (Total: 20)
	<b>Meets June 19, 2017 - July 28, 2017</b>	
	MWF 9:00am - 11:00am	PLS 1172

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**UNIV104      Reading and Writing at the College Level**

(Perm req)      Credits: 1      Grading Method: Regular,  
Pass-Fail

*Restriction: Must be in uTerp Individual Admits program.*

*A workshop designed to enhance students' college level reading and writing abilities to include study skills and strategies for success.*

Must be in uTerp Individual Admits program



LS51	Matthew Smedley <b>Meets June 19, 2017 - July 28, 2017</b> MW 11:15am - 12:30pm	Seats (Total: 20)  EGR 1102
LS52	Ruth Morris <b>Meets June 19, 2017 - July 28, 2017</b> MW 11:15am - 12:30pm	Seats (Total: 20)  EGR 2116
LS53	Stephanie Folling <b>Meets June 19, 2017 - July 28, 2017</b> MW 11:15am - 12:30pm	Seats (Total: 20)  EGR 3114

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**UNIV269A      Connecting Across Cultures**

Credits: 1                      Grading Method: Regular,  
   Pass-Fail, Audit                      General Education: DVCC

*An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.*

**Contact department for information to register for this course.**

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**UNIV269C      Connecting Across Cultures; China: Culture, Language and Internship Program**

Credits: 1                      Grading Method: Regular,  
   Pass-Fail, Audit                      General Education: DVCC

*An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.*

**Contact department for information to register for this course.**

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**UNIV318B      Special Topics in Study Abroad; Indonesia: Civil Society, Democracy and Sustainable Development**

Credits: 3                      Grading Method: Regular,  
   Pass-Fail, Audit

*Topics and assignments will vary by travel site, as indicated by subtitles such as Italian Art, Chinese History, and French Theater.*

**Contact department for information to register for this course.**

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**UNIV326      Beyond the Classroom Seminar II**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.*

*Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.*

WB21	James Riker	Seats (Total: 15)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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**UNIV339                      McNair Research Methods and Writing**

(Perm req)

Credits: 2                      Grading Method: Regular,  
Pass-Fail, Audit

*As an introduction to qualitative and quantitative research methods, students will be taught how to: (1) create, analyze, and disseminate knowledge conceptually and empirically; (2) write a research document; (3) use the IRB process; (4) develop research posters; (5) read and evaluate research studies; (6) read and understand statistics; (7) conduct interviews, develop surveys, and design experiments; and (8) communicate effectively to public audiences.*

CP01	Rhea Nedd	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
MF 9:00am - 5:00pm		TYD 1132

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**UNIV389J                      Special Topics in Undergraduate Studies**

(Perm req)

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.*

0101	Joan Burton	Seats (Total: 25)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Contact instructor or department for details.		
0201	Joan Burton	Seats (Total: 25)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Contact instructor or department for details.		

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**UNIV399 Experiential Learning in Undergraduate Studies**

Credits: 1-3      Grading Method: Regular,  
Pass-Fail, Audit

*Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.*

**Contact department for information to register for this course.**

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**UNIV399M Experiential Learning in Undergraduate Studies; McNair Program- Research Methods**

Credits: 2      Grading Method: Regular,  
Pass-Fail, Audit

*Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.*

0101	Instructor: TBA	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	M 9:00am - 5:00pm	WDS 1131

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**URSP Urban Studies and Planning Summer 2017**

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**URSP399I Independent Study**

(Perm req) Credits: 1-3      Grading Method: Regular

*Directed research and study of selected aspects of urban affairs.*

**Contact department for information to register for this course.**

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**URSP688L Recent Developments in Urban Studies; Planning Technology**

Credits: 3      Grading Method: Regular,  
Audit

*Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.*

0101	Chao Liu	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	TuTh 4:00pm - 7:30pm	ARC 1115
	Class time/details on ELMs	ONLINE      Discussion

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**URSP705 Summer Community Planning Studio I**

Credits: 4      Grading Method: Regular,  
Audit

*Restriction: Permission of instructor.*

*Intensive community planning group field work, typically five days a week for four weeks. Often outside the USA. Application of class work to actual planning and policy challenges. Students seeking to meet the URSP studio requirement must also take URSP 706.*

A Partnership for Action Learning in Sustainability (PALS) course where students apply classroom learning to actual community needs.

0101	Jennifer Roberts, Charles Bailey Jr	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	MW 6:00pm - 9:20pm	ARC 1119
	Class time/details on ELMs	ONLINE Discussion

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## URSP706

### Summer Community Planning Studio II

Credits: 2                      Grading Method: Regular,  
   Audit

*Restriction: Permission of instructor.*

*Intensive analysis and report-preparation of work completed in URSP 705 Held in College Park. Students seeking to meet the URSP studio requirement must also take URSP 705.*

0201	Jennifer Roberts, Charles Bailey Jr	Seats (Total: 20)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	MW 6:00pm - 9:20pm	Location: TBA

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## URSP709

### Field Instruction

Credits: 3                      Grading Method: Regular,  
   Audit

*Students will satisfy a 300-hour internship (20 hours for 15 weeks during the spring, 25 hours a week for 12 weeks during the summer). Suitable internships are approved by the Internship Coordinator or Instructor; they involve a significant amount of planning work (preferably in the student's area of interest) and provide an appropriate on-site supervisor. The Internship Coordinator will assist students in finding a suitable internship, but the ultimate responsibility rests with each student. Whether the internship is paid or not is a matter to be worked out between the student and the organization.*

0101	Casey Dawkins	Seats (Total: 20)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Contact instructor or department for details.	
	Contact instructor or department for details.	

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**URSP788 Independent Study in Urban Studies and Planning**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Directed research and study of selected aspects of urban affairs.*

**Contact department for information to register for this course.**

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**URSP798 Readings in Urban Studies and Planning**

(Perm req)

Credits: 1-3      Grading Method: Regular

*Directed readings in selected aspects of urban affairs and planning.*

**Contact department for information to register for this course.**

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**URSP799 Master's Thesis Research**

(Perm req)

Credits: 1-6      Grading Method: Regular, Sat-Fail

**Contact department for information to register for this course.**

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**URSP898 Pre-Candidacy Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

*Selected topics in Urban Studies and Planning. Topics will vary with the instructor.*

**Contact department for information to register for this course.**

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**URSP899 Doctoral Dissertation Research**

Credits: 1-8      Grading Method: Regular, Sat-Fail

*This course is a required course for the Ph.D program in Urban and Regional Planning and Design.*

**Contact department for information to register for this course.**

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**USLT Latina/o Studies**

**Summer 2017**

**USLT219B Special Topics in Latina/o Studies; Immigration and the U.S.-Mexico Border**

Credits: 3      Grading Method: Regular

*Special Topic in US Latina/o Studies*

Also offered as AMST298G. Credit granted for USLT219B or AMST298G. Reading, analysis, and critique of the U.S.-Mexico border, and how socioeconomic and political factors shape U.S. immigration policies and cross-border relations. Examines how policy impacts immigrant communities.

WB21	Jacqueline Partida	Seats (Total: 20)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

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## WMST Women's Studies Summer 2017

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### WMST250 Introduction to Women's Studies: Women, Art and Culture

Credits: 3      Grading Method: Regular, Pass-Fail, Audit      CORE: HA, D      General Education: DSHU, DVUP

*An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.*

WB11	Donnesha Blake	Seats (Total: 30)
<b>Meets May 30, 2017 - July 7, 2017</b>		
Class time/details on ELMs		ONLINE

WB21	Sara Haq	Seats (Total: 30)
<b>Meets July 10, 2017 - August 18, 2017</b>		
Class time/details on ELMs		ONLINE

### WMST269A Special Topics in Study Abroad II; Women and Addiction

Credits: 1      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

### WMST269C Special Topics in Study Abroad II; Modern Chinese Culture: Women's Studies

Credits: 1      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

### WMST269F Special Topics in Study Abroad II; Women in Spanish Film

Credits: 3      Grading Method: Regular, Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST269M      Special Topics in Study Abroad II; Mexican Society: History and Gender Issues**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST369G      Special Topics in Study Abroad III; Gender and Post Socialist Transformation in Central Europe**

Credits: 1                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST369K      Special Topics in Study Abroad III; Spanish Gender Studies**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST386      Experiential Learning**

(Perm req)

Credits: 1-6                      Grading Method: Regular,  
Pass-Fail

*Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.*

**Contact department for information to register for this course.**

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**WMST400      Theories of Feminism**

Credits: 3                      Grading Method: Regular,  
Pass-Fail, Audit

*Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.*

*A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.*

WB11	Michele Prince	Seats (Total: 30)
	<b>Meets May 30, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**WMST469E Study Abroad Special Topics IV; European Women from Past to Present**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST469M Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

*Special topics course taken as part of an approved study abroad program*

**Contact department for information to register for this course.**

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**WMST498M Advanced Special Topics in Women's Studies; Women and the Civil Rights Movement**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

Also offered as AASP498I and HIST360. Credit granted for HIST360, AASP498I, and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	<b>Meets June 19, 2017 - July 7, 2017</b>	
	Class time/details on ELMs	ONLINE

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**WMST498Q Advanced Special Topics in Women's Studies; Gender and Politics**

Credits: 3                      Grading Method: Regular,  
    Pass-Fail, Audit

Also offered as GVPT359C. Credit granted for GVPT359C or WMST498Q.

WB21	Noa Balf	Seats (Total: 50)
	<b>Meets July 10, 2017 - August 18, 2017</b>	
	Class time/details on ELMs	ONLINE

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**WMST499 Independent Study**



Credits: 1-3                      Grading Method: Regular,  
Pass-Fail, Audit

*Research and writing or specific readings on a topic selected by the student and supervised by a faculty member of the Women's Studies Department.*

**Contact department for information to register for this course.**

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**WMST699                      Independent Study**

(Perm req)

Credits: 1-3                      Grading Method: Regular,  
Audit

*Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member of the Women's Studies Department.*

**Contact department for information to register for this course.**

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**WMST899                      Doctoral Dissertation Research**

Credits: 1-8                      Grading Method: Regular

**Contact department for information to register for this course.**

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